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WAR DEPARTMENT,

OFFICE OF THE CHIEF SIGNAL-OFFICER,

DIVISION OF

TELEGRAMS AND REPORTS FOR THE BENEFIT OF COMMERCE AND AGRICULTURE.

DAILY BULLETIN

OF

WEATHER-REPORTS,

SIGNAL-SERVICE UNITED STATES ARMY,

TAKEN AT

7.35 A. M., 4.35 P. M., AND 11 P. M., WASHINGTON MEAN TIME,

WITH THE

SYNOPSES, PROBABILITIES, AND FACTS,

FOR

THE MONTH OF APRIL, 1873

WASHINGTON:
GOVERNMENT PRINTING OFFICE.
1875.

WAR DEPARTMENT, OFFICE OF THE CHIEF SIGNAL-OFFICER,
Division of Telegrams and Reports for the Benefit of Commerce and Agriculture,
Washington, D. C., April 15, 1873.

The following papers are published by direction of the Secretary of War. The Official Bulletins exhibit the separate reports had at this Office tri-daily from observations taken at the stations named, at the regular hours for report, *i. e.*, 7.35 a. m., 4.35 p. m., and 11 p. m., Washington mean time, or 19h. 35m., 4h. 35m., and 11h. 0m., astronomical time. These reports are had from observations and readings made simultaneously at the different stations, the time for observations at each station being fixed in orders from this Office. The Chart accompanying each report of these bulletins is draughted from the information borne upon the bulletin. The Probabilities are the deductions made from the conditions exhibited upon the charts, considered in their sequence, as to the meteoric changes probably to follow within the twenty-four hours then next ensuing. These are estimated in view of such generalizations as meteoric study has seemed to establish as rules, supplemented by the especial experience had in this Office in the continued observation of the changes occurring over this Continent. The publication has for its object to exhibit the data upon which this Office has been compelled to act in making its tri-daily announcements, and to submit for general consideration the information gathered upon its files. As a contribution of data, at least, to meteoric science, and a demonstration that it needs only that governments should will and act through proper organization to make meteoric knowledge of daily and practical use to the people, the publications must have value. Good results will be reached also by the thought and study these data will make practicable. So far as this Office is concerned, it is aimed to exhibit equally its successes and its failures. Others may so pursue, encouraged, theories which have led to the one, or they may, forewarned, avoid the causes of the other. In whatever way a rule or a suggestion for improvement is indicated, it will benefit the service. The official duties of this Office permit little rest and less hesitation. Its action must be prompt, and often with little time for the study of the data just received, and on which action must be based. Its orders must issue, its signals of warning be given, and its record thus made, sometimes when wisdom would delay, if possible, and subsequent information show it had done so rightly. It is the simple duty of the Office to act at each present, as well as it can, with the information at that time before it. The reports to come after can only give bases for future action, while exhibiting the right and wrong of the past.

In the following pages, the "Synopses" express in general terms, and in language intended for the public press, the meteoric conditions and changes announced within the twenty-four hours preceding, and up to the date and time of each report, as rapidly sketched from an examination of the bulletin reports and the synoptic charts draughted therefrom. The "Probabilities" are deduced from a more careful study of the separate station-reports, received from the different stations, the graphic weather-charts, taken in their sequence, and particularly of those prepared at the time of issue of each report. The "Facts," which afford a species of test by which to consider the

accuracy of the "Probabilities" previously issued, are collated in detail from the reports of the Observer-Sergeants, made at the regular report next following the issue of each of the "Probabilities." They are, in effect, summaries of the bulletins, prepared in that form for convenience of reference. The remarks as to verifications are to be considered in relation to the facts being within the twenty-four hours next ensuing after each statement of Probabilities.

ALBERT J. MYER,
Brigadier-General (B'v't Ass'g'd) and Chief Signal-Officer, U. S. A.

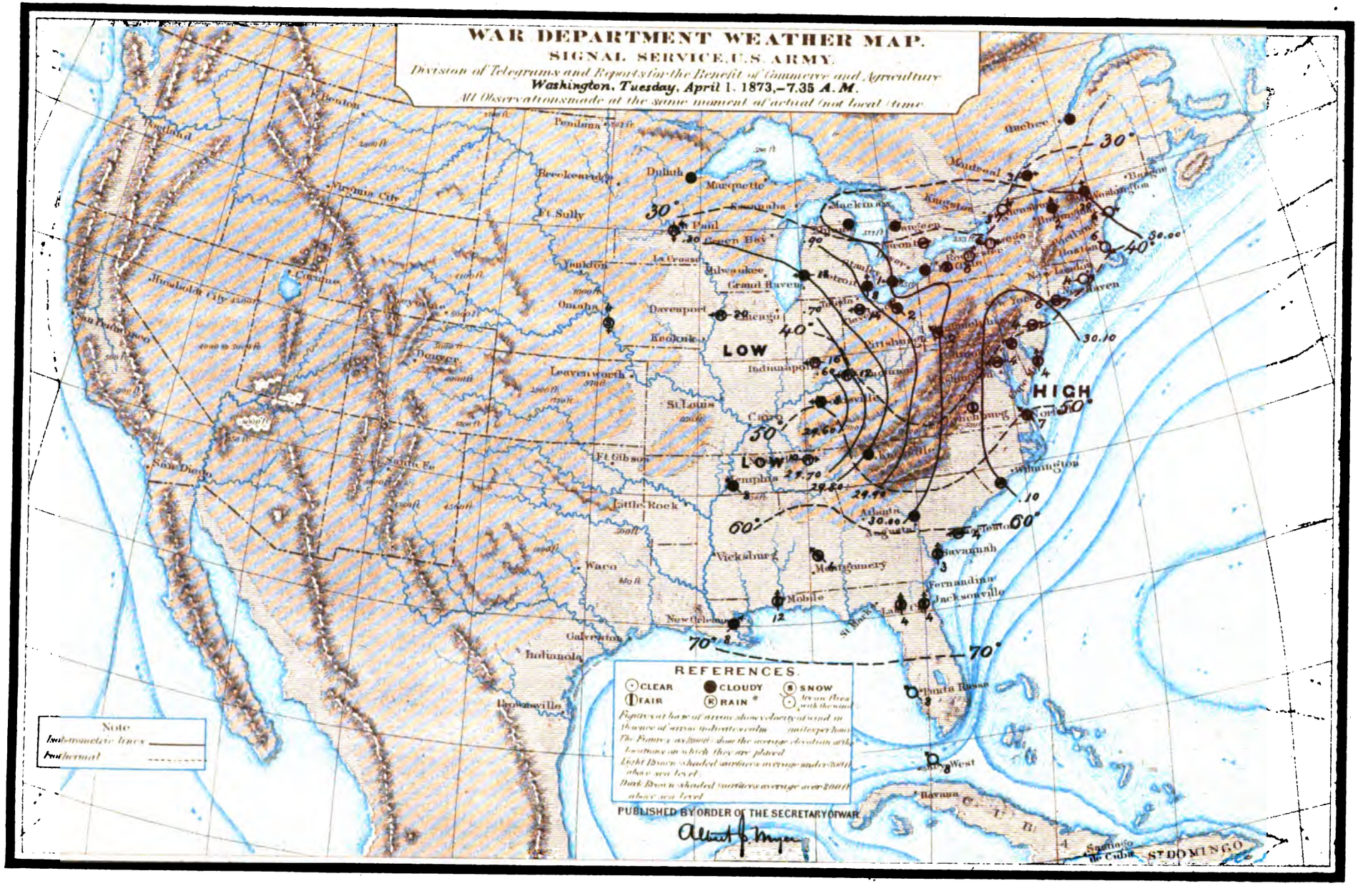
NOTE.

The "Synopsis" expresses in general terms the condition of the weather, as derived from the bulletin and the weather-map; from the study of the latter is deduced the "Probabilities."

The "Facts," which afford a test by which to ascertain the accuracy of the previous "Probabilities," are collated in detail from the reports of the observers, immediately following the "Probabilities," without any reference to the statements previously made in the "Synopsis."

METEOROLOGICAL RECORD, APRIL 1, 1873—7.35 A. M.

Place of observation.	Barometer.	Thermometer.	Relative humidity, per cent.	Wind.		Clouds.			Rain-fall in last 8 hours.	State of the weather.
				Direction.	Velocity.	Amount of lower.	Amount of upper.	Direction of upper.		
Alpena, Mich	30.01	29	77	Calm.	0	4-4				Cloudy.
Augusta, Ga	30.02	60	71	Calm.	0	4-4				Cloudy.
Baltimore, Md	30.12	45	72	Calm.	0	Smoky	Hazy			Fair.
Boston, Mass	30.04	41	49	N. W.	6	Hazy	0			Clear.
*Breckenridge, Minn	29.80	33	90	E.	9	4-4			.50	Light rain.
Buffalo, N. Y	30.00	41	74	Calm.	0	Smoky	2-4			Fair.
Burlington, Vt	30.04	35	61	S.	2	3-4	0			Cloudy.
*Cairo, Ill	29.39	54	93	S.	10	3-4	1-4	S.	.44	Threatening.
Cape May, N. J	30.13	44	84	S.	4	0	1-4	S. W.		Fair.
Charleston, S. C	30.05	63	83	E.	4	0	4-4	S. W.		Fair.
*Cheyenne, Wyo	29.81	26	75	Calm.	0	2-4	2-4			Cloudy.
*Chicago, Ill	29.70	34	79	N. E.	20	4-4			.35	Sleet.
Cincinnati, Ohio	29.75	40	82	E.	12	4-4			.12	Heavy rain.
Cleveland, Ohio	29.98	37	90	S. E.	12	2-4	0			Fair.
*Corinne, Utah	30.05	40	56	Calm.	0	3-4	0			Fair.
Davenport, Iowa	29.54	39	100	E.	20	4-4			.59	Light rain.
*Denver, Colo	29.89	37	31	N.	6	4-4				Cloudy.
Detroit, Mich	29.96	33	89	S.	8	4-4				Cloudy.
Duluth, Minn	29.90	26	88	Calm.	0	4-4				Cloudy.
*Eastport, Me	29.82	32	79	N. E.	10	1-4	1-4	N.	.01	Clearing.
*Escanaba, Mich	29.94	28	88	N.	6	4-4				Cloudy.
Fort Benton, Mont	29.82	32	79	N. E.	10	1-4	2-4	N.	.01	Clearing.
*Fort Gibson, Ind. T	29.79	48	63	N. W.	16	0	0			Clear.
*Fort Garry, Manitoba	29.68	34	70	S.	20	4-4	2-4	W.		Threatening.
*Fort Sully, Dak	29.87	31	74	W.	10	1-4	Hazy			Fair.
*Galveston, Tex	29.86	71	90	S.	2	1-4	3-4	W.	.02	Threatening.
Grand Haven, Mich	29.80	34	61	E.	18	4-4				Threatening.
Indianapolis, Ind	29.66	44	66	E.	16	4-4			.27	Light rain.
Indianola, Tex	29.88	70	97	N. W.	8	4-4			.03	Light rain.
*Jacksonville, Fla	30.03	67	84	S.	4	0	2-4	S. W.		Fair.
*Keokuk, Iowa	29.37	40	82	E.	12	4-4			.12	Light rain.
Key West, Fla	30.03	77	69	S. E.	8	0	0			Clear.
Kingston, Canada	30.10	25	87	S. W.	3	0	0			Clear.
Knoxville, Tenn	29.87	48	48	Calm.	0	4-4				Cloudy.
Lake City, Fla	30.02	66	94	S.	4	Fog				Foggy.
*Leavenworth, Kans	29.33	42	83	N. E.	4	4-4			.01	Cloudy.
Louisville, Ky	29.54	51	52	E.	8	2-4	2-4		.19	Threatening.
Lynchburg, Va	30.10	39	73	Calm.	0	Smoky	Hazy			Fair.
*Marquette, Mich	29.91	29	89	N.	8	4-4				Cloudy.
Memphis, Tenn	29.37	57	81	S. E.	8	4-4			.90	Cloudy.
*Milwaukee, Wis	29.68	34	79	W.	28	4-4				Cloudy.
Mobile, Ala	29.92	66	100	S.	12	Fog	4-4	W.		Foggy.
Montgomery, Ala	29.82	69	84	S. E.	4	4-4				Fair.
Montreal, Canada	29.93	33	80	W.	3	0	1-4			Cloudy.
Mount Washington, N. H	29.74	18	84	S.	20	4-4			.05	Light snow.
Nashville, Tenn	29.66	56	81	W.	10	4-4			.40	Heavy rain.
New London, Conn	30.07	40	65	W.	4	0	Hazy			Clear.
New Orleans, La	29.87	69	90	S. W.	8	4-4				Cloudy.
New York, N. Y	30.09	39	77	W.	6	Smoky	2-4	W.		Fair.
Norfolk, Va	30.15	52	58	S. E.	7	0	2-4			Fair.
Omaha, Nebr	29.49	35	100	N.	4	4-4			.64	Sleet.
Oswego, N. Y	30.08	38	63	W.	6	1-4	Hazy			Clear.
*Pembina, Dak	29.78	28	82	S. E.	2	2-4	2-4			Cloudy.
Philadelphia, Pa	30.14	40	69	W.	4	Fog	Hazy			Fair.
Pittsburgh, Pa	30.03	37	90	S. E.	2	Smoky				Fair.
Port Dover, Canada	30.06	34	100	Calm.	0	0	4-4			Cloudy.
Port Stanley, Canada	30.05	33	92	W.	1	4-4				Cloudy.
Portland, Me	29.94	37	62	W.	6	0	0			Clear.
*Portland, Oreg	30.01	47	85	S. E.	8	4-4			.22	Cloudy.
Punta Rassa, Fla	30.06	73	85	S. E.	8	0	0			Clear.
Quebec, Canada	29.98	30	89	Calm.	0	4-4				Cloudy.
Rochester, N. Y	30.07	37	76	W.	6	0	0			Clear.
*San Diego, Cal	29.99	52	86	E.	1	0	0			Clear.
*San Francisco, Cal	30.24	51	72	Calm.	0	0	0			Hazy.
*Santa Fé, N. Mex	29.74	38	9	N.	10	0	4-4	W.		Fair.
Saugeen, Canada	30.03	30	89	Calm.	0	4-4				Cloudy.
Savannah, Ga	30.04	67	79	S.	3	Fog	2-4			Fair.
*Shreveport, La	29.84	57	87	S. W.	11	4-4			.57	Cloudy.
*Saint Louis, Mo	29.38	56	85	S. E.	12	4-4				Threatening.
Saint Paul, Minn	29.84	35	100	N.	4	4-4			05	Light rain.
Toledo, Ohio	29.89	37	80	E.	14	0	2-4	W.		Fair.
Toronto, Canada	30.05	33	74	Calm.	0	0	2-4			Fair.
*Vicksburg, Miss	29.90	59	93	S.	8	4-4			.88	Rain.
Virginia City, Mont										
Washington, D. C	30.13	45	69	E.	4	Fog	Hazy			Fair.
Wilmington, N. C	30.10	57	81	Calm.	0	Fog	2-4	W.		Fair.
*Yankton, Dak	29.74	37	96	S.	8	4-4			.04	Light rain.


WAR DEPARTMENT WEATHER MAP.
SIGNAL SERVICE, U.S. ARMY.
Division of Telegrams and Reports for the Benefit of Commerce and Agriculture
Washington, Tuesday, April 1, 1873,—7.35 A.M.
All Observations made at the same moment of actual (not local) time
LOW
HIGH
LOW
REFERENCES.
CLEAR
CLOUDY
SNOW
FAIR
RAIN
Note
Isobarometric lines
Isothermal
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Toronto
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Rochester
Oswego
Albany
Boston
New Haven
New York
Philadelphia
Washington
Baltimore
Pittsburg
Cleveland
Columbus
Indianapolis
Cincinnati
Louisville
Richmond
Norfolk
Wilmington
Raleigh
Atlanta
Augusta
Savannah
Fernandina
Jacksonville
Montgomery
Mobile
New Orleans
Vicksburg
Memphis
Little Rock
Ft. Gibson
St. Louis
Leavenworth
Omaha
Davenport
Keokuk
Yankton
La Crosse
Denver
Cheyenne
Salt Lake City
Cinaque
San Francisco
San Diego
Santa Fe
Waco
Galveston
Indianola
Brownsville
Key West
Havana
Santiago de Cuba
ST. DOMINGO
Punta Rassa
30°
40°
50°
60°
70°
30.00
30.10
29.60
29.70
29.80
29.90
30.80

WASHINGTON, D. C.,
TUESDAY, *April* 1, 1873—7.35 *a. m.*

SYNOPSIS.

The area of low barometer, that was Monday morning central over Western New York, has moved eastward over Maine beyond our stations. Light and fresh northwest winds, with clear weather, are now reported from New England, and light westerly winds, with partly cloudy and hazy weather, from New York; southerly winds, with hazy weather, from the Middle Atlantic States, where the barometric pressure is now greatest. An extensive area of low barometer has developed since Monday morning in Western Kansas and southward to Texas, and is now apparently central over Iowa, Arkansas, and the Lower Ohio Valley. Brisk southerly winds were reported last night from Louisiana, and northwesterly gales from Southern Dakota to Colorado. Cloud and rain now prevail from Minnesota to Ohio, Tennessee, and Arkansas, so far as this region has been heard from.

PROBABILITIES.

The storm-centre in the Lower Ohio Valley move eastward during the rest of Tuesday, and extend by Tuesday night from New York to South Carolina. For the Eastern Gulf States, southerly winds, increasing to brisk, with cloud and rain. For South Atlantic States, southeast winds, veering to southwest, with threatening weather, followed by rain Tuesday night. For the Middle Atlantic States, increasing southerly winds, backing to east, with threatening weather. For New England, light winds and clear or hazy weather continue until Tuesday evening, followed by easterly winds and cloudy weather Tuesday night. For the Lower Lakes, northeast winds, increasing to brisk, with threatening and rainy weather. For the Upper Lakes, increasing northeast winds, backing to northwest, with rainy weather, except possibly on Lake Superior. For Kansas and the Northwest, cold northerly winds, increasing to gales.

Reports are very generally missing from the Upper Lakes, the Mississippi Valley, and all stations to the westward.

Cautionary signals continue at Mobile, New Orleans, Chicago, Milwaukee, and Toledo, and are ordered for Duluth, Grand Haven, Detroit, Cleveland, Buffalo, Savannah, Charleston, Wilmington, and Norfolk.

FACTS—4.35 P. M., (*following the above "Probabilities."*)

WIND AND WEATHER.

(1.) *Clear.*—At Montreal, wind W., light; Burlington, wind S., gentle; Portland Me., wind SW., gentle; Indianola, wind N., brisk; Memphis, wind SW., brisk.

(2.) *Fair.*—At Breckenridge, calm; Boston, wind NW., gentle; Key West, wind E., gentle; Quebec, wind NE., gentle; Corinne and New London, wind S., fresh; Portland, Oreg., Philadelphia, Nashville, and Lake City, wind SW., fresh; Galveston, wind N., fresh; Cape May, New York, and Norfolk, wind SE., fresh; Punta Rassa, wind SW., brisk; San Diego, wind NW., brisk; San Francisco, wind W., brisk; Louisville, wind E., high.

(3.) *Cloudy.*—At Mobile, wind S., light; Kingston, wind SE., light; Dover, wind E., gentle; Montgomery, wind S., gentle; Lynchburg, wind E., gentle; Denver, wind N., fresh; Knoxville and Wilmington, wind S., fresh; Baltimore, Cleveland, Oswego, and Pembina, wind SE., fresh; New Orleans, Pittsburgh, and Saugeen, wind E., fresh; Virginia City and Shreveport, wind W., fresh; Omaha, wind N., fresh; Saint Paul, wind NE., fresh; Cheyenne, wind W., brisk; Charleston and Savannah, wind S., brisk; Duluth, wind NE., brisk; Rochester and Toronto, wind E., brisk; Leavenworth, wind NW., brisk; Cairo and Fort Gibson, wind W., high.

(4.) *Rainy.*—At Stanley, wind E., gentle; Chicago, wind NE., gentle; Buffalo, wind E., fresh; Augusta, wind NW., fresh; Keokuk, wind W., fresh; Detroit, wind SE., fresh; Toledo, wind NE., fresh; Indianapolis and Saint Louis, wind SW., brisk.

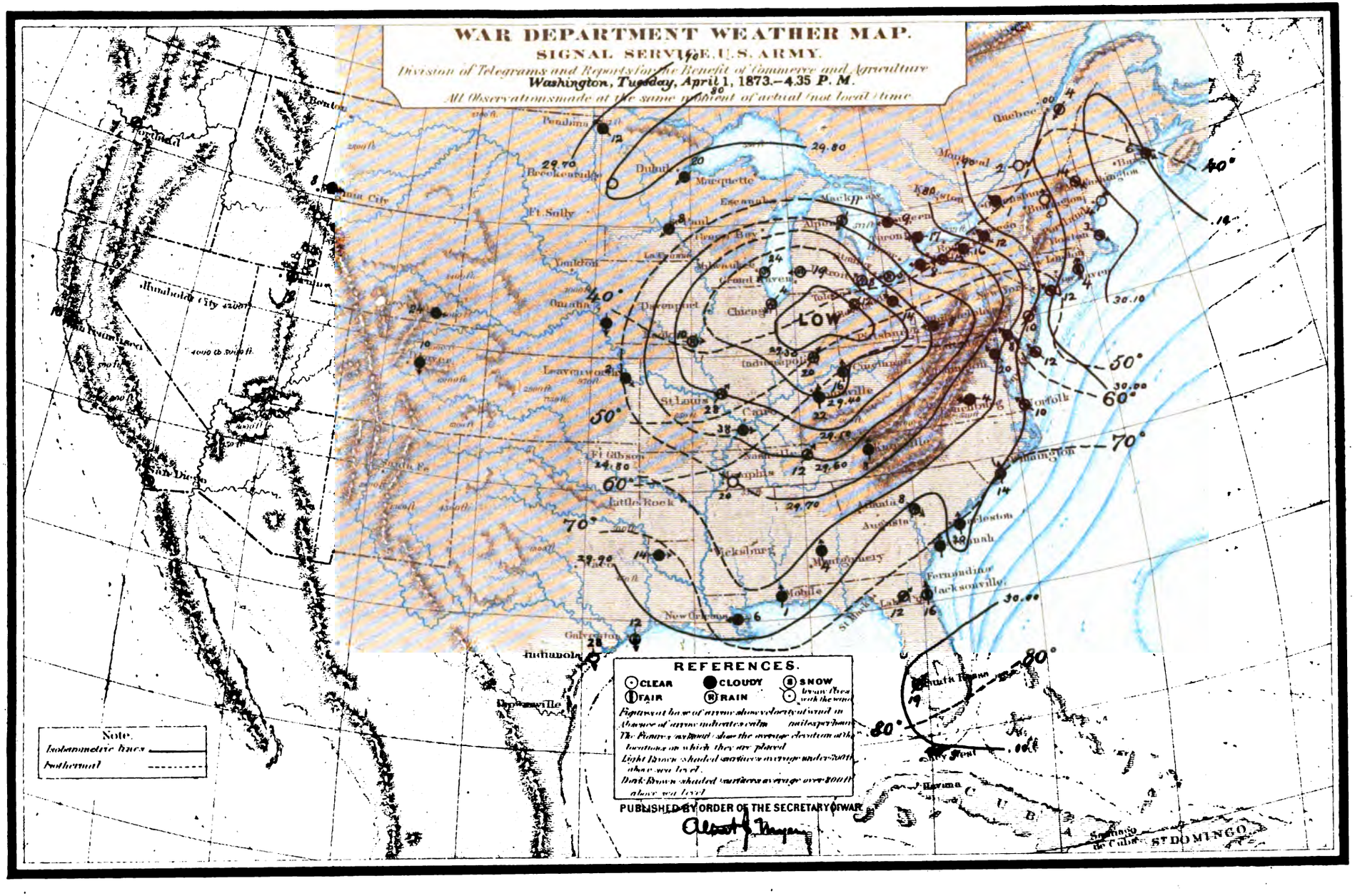
(5.) *Snowy.*—At Alpena, wind NE., fresh; Grand Haven, wind E., brisk; Milwaukee, wind NE., brisk.

GENERAL REMARKS AS TO VERIFICATIONS.

The above "Probabilities" were generally verified, except "for the Northwest, cold northerly winds, increasing to gales," partly verified; "cautionary signals for Mobile, New Orleans, Savannah, Charleston, Wilmington, and Norfolk," not verified.

METEOROLOGICAL RECORD, APRIL 1, 1873—4.35 P. M.

Place of observation.	Barometer.	Thermometer.	Relative humidity, per cent.	Wind.		Clouds.			Rain-fall in last 8 hours.	State of the weather.
				Direction.	Velocity.	Amount of lower.	Amount of upper.	Direction of upper.		
Alpena, Mich	29.75	31	90	N. E.	11	4-4	.....	.....	.05	Heavy snow.
Augusta, Ga	29.95	60	94	N. W.	8	4-4	.....	.....	.78	Heavy rain.
Baltimore, Md	29.94	58	50	S. E.	8	2-4	2-4	S. W.	.....	Cloudy.
Boston, Mass	30.08	53	36	N. W.	3	Hazy..	1-4	.....	.....	Fair.
Breckenridge, Minn	29.80	38	76	Calm.	0	2-4	2-4	N. W.	.05	Clearing.
Buffalo, N. Y	29.77	41	80	E.	12	4-4	.....	.....	.01	Light rain.
Burlington, Vt	30.02	44	51	S.	5	0	0	.....	.....	Clear.
Cairo, Ill	29.55	60	34	W.	38	2-4	2-4	W.	.....	Cloudy.
Cape May, N. J	30.04	46	69	S. E.	12	0	Hazy..	W.	.....	Fair.
Charleston, S. C	29.92	72	76	S.	20	3-4	1-4	.....	.....	Threatening.
Cheyenne, Wyo	29.78	51	16	W.	24	1-4	3-4	W.	.....	Cloudy.
Chicago, Ill	29.33	36	90	N. E.	4	4-4	.....	.....	.48	Light rain.
Cincinnati, Ohio	29.41	64	62	S.	16	Smoky	3-4	S. W.	.....	Clearing.
Cleveland, Ohio	29.53	49	71	S. E.	14	4-4	.....	.....	.18	Cloudy.
Corinne, Utah	29.99	60	22	S.	12	Smoky	3-4	W.	.....	Fair.
*Davenport, Iowa	29.36	34	100	N. E.	10	4-4	.....	.....	.46	Heavy snow.
Denver, Colo	29.85	54	10	N.	10	1-4	2-4	N. W.	.....	Cloudy.
Detroit, Mich	29.51	37	90	S. E.	8	3-4	1-4	S. E.	.20	Light rain.
Duluth, Minn	29.78	37	20	N. E.	20	3-4	Hazy..	N. E.	.....	Cloudy.
Eastport, Me	30.03	39	84	N. W.	6	0	2-4	N. W.	.....	Fair.
*Escanaba, Mich	29.65	35	74	N. E.	20	4-4	.....	.....	.01	Light snow.
*Fort Benton, Mont	29.55	57	15	S. W.	24	0	2-4	S. W.	.....	Fair.
Fort Garry, Manitoba	29.63	38	85	S.	21	2-4	2-4	S.	.....	Cloudy.
*Fort Gibson, Ind. T	29.81	65	22	W.	32	Hazy..	.....	.....	.....	Fair.
*Fort Sully, Dak	29.69	55	20	N.	7	0	4-4	W.	.....	Fair.
Galveston, Tex	29.90	74	36	N.	10	1-4	Hazy..	.....	.09	Clearing.
Grand Haven, Mich	29.37	34	90	E.	19	4-4	.....	.....	.16	Heavy snow.
Indianapolis, Ind	29.38	52	72	S. W.	20	4-4	.....	.....	.31	Heavy rain.
Indianola, Texas	29.92	75	30	N.	28	0	0	.....	.....	Clear.
Jacksonville, Fla	29.97	85	41	S.	16	0	Hazy..	.....	.....	Fair.
Keokuk, Iowa	29.39	38	90	W.	10	4-4	.....	.....	.09	Light rain.
Key West, Fla	30.00	84	64	E.	5	0	2-4	.....	.....	Fair.
Kingston, Canada	30.00	39	97	S. E.	1	4-4	.....	.....	.....	Cloudy.
Knoxville, Tenn	29.66	58	76	S.	8	4-4	.....	.....	1.02	Cloudy.
*La Crosse, Wis	29.62	34	95	N. E.	8	4-4	.....	.....	.19	Heavy snow.
Lake City, Fla	29.94	81	49	S. W.	12	2-4	1-4	S. W.	.....	Fair.
Leavenworth, Kans	29.60	43	67	N. W.	26	4-4	.....	.....	.07	Cloudy.
Louisville, Ky	29.36	65	49	S.	22	0	2-4	S. W.	.12	Fair.
Lynchburg, Va	29.76	64	46	E.	4	4-4	.....	.....	.....	Cloudy.
*Marquette, Mich	29.79	29	89	Calm.	0	4-4	.....	.....	.....	Threatening.
Memphis, Tenn	29.68	66	27	S. W.	20	0	1-4	W.	.....	Clear.
Milwaukee, Wis	29.37	31	100	N. E.	24	4-4	.....	.....	.05	Heavy snow.
Mobile, Ala	29.87	66	84	S.	1	4-4	.....	.....	.26	Cloudy.
Montgomery, Ala	29.85	64	78	S.	4	4-4	.....	.....	1.21	Cloudy.
Montreal, Canada	30.00	43	75	W.	2	0	0	.....	.....	Clear.
Mount Washington, N. H	29.98	22	72	N. W.	14	0	2-4	N. W.	.01	Fair.
Nashville, Tenn	29.52	67	42	S. W.	12	0	2-4	S. W.	.32	Fair.
New London, Conn	30.10	45	61	S.	10	0	2-4	S. W.	.....	Fair.
New Orleans, La	29.84	68	84	E.	6	4-4	.....	.....	.40	Cloudy.
New York, N. Y	30.07	49	40	S. E.	12	Smoky	1-4	.....	.....	Fair.
Norfolk, Va	29.94	64	51	S. E.	10	0	3-4	.....	.....	Fair.
Omaha, Nebr	29.73	40	82	N.	12	4-4	.....	.....	.07	Cloudy.
Oswego, N. Y	29.92	46	51	S. E.	12	4-4	.....	.....	.....	Cloudy.
Pembina, Dak	29.72	38	90	S. E.	12	4-4	.....	.....	.....	Threatening.
Philadelphia, Pa	30.03	57	36	S. W.	10	2-4	1-4	N. E.	.....	Fair.
Pittsburgh, Pa	29.54	57	57	E.	8	4-4	.....	.....	.07	Threatening.
Port Dover, Canada	29.74	39	82	E.	5	4-4	.....	.....	.07	Cloudy.
Port Stanley, Canada	29.67	38	86	E.	5	4-4	.....	.....	.....	Light rain.
Portland, Me	30.16	46	47	S. W.	4	0	0	.....	.....	Clear.
Portland, Oreg	30.07	56	57	S. W.	7	0	2-4	.....	.....	Fair.
Punta Rassa, Fla	30.02	79	74	S. W.	19	0	1-4	N.	.....	Fair.
Quebec, Canada	30.12	32	100	N. E.	4	0	2-4	N. E.	.....	Fair.
Rochester, N. Y	29.84	42	55	E.	16	4-4	.....	.....	.....	Cloudy.
San Diego, Cal	29.96	69	60	N. W.	19	Hazy..	2-4	W.	.....	Fair.
San Francisco, Cal	30.21	60	70	W.	16	0	2-4	W.	.....	Fair.
*Santa Fé, N. Mex	29.71	58	0	N. W.	14	0	4-4	W.	.....	Fair.
Saugeen, Canada	29.70	36	80	E.	9	4-4	.....	.....	.11	Cloudy.
Savannah, Ga	29.88	75	69	S.	16	4-4	.....	.....	.....	Cloudy.
Shreveport, La	29.89	70	21	W.	14	0	4-4	W.	.....	Cloudy.
Saint Louis, Mo	29.43	46	73	S. W.	28	4-4	.....	.....	.02	Light rain.
Saint Paul, Minn	29.74	40	73	N. E.	8	4-4	.....	.....	.....	Threatening.
Toledo, Ohio	29.43	41	91	N. E.	12	4-4	.....	.....	.09	Light rain.
Toronto, Canada	29.83	35	76	E.	17	4-4	.....	.....	.....	Threatening.
*Vicksburg, Miss	29.85	73	26	W.	16	0	2-4	.....	.16	Fair.
Virginia City, Mont	29.47	47	49	W.	8	2-4	2-4	W.	.....	Cloudy.
Washington, D. C	29.92	62	36	S. E.	20	3-4	1-4	W.	.....	Cloudy.
Wilmington, N. C	29.92	72	75	S.	14	1-4	2-4	W.	.15	Cloudy.
*Yankton, Dak	29.75	40	92	S.	4	4-4	.....	.....	.06	Cloudy.


WAR DEPARTMENT WEATHER MAP.
SIGNAL SERVICE, U.S. ARMY.
Division of Telegrams and Reports for the Benefit of Commerce and Agriculture
Washington, Tuesday, April 1, 1873.—4.35 P. M.
All Observations made at the same moment of actual (not local) time
LOW
REFERENCES.
CLEAR
CLOUDY
SNOW
FAIR
RAIN
Note.
Isobarometric lines
Isothermal
PUBLISHED BY ORDER OF THE SECRETARY OF WAR

WASHINGTON, D. C.,
TUESDAY, *April* 1, 1873—4.35 *p. m.*

SYNOPSIS.

The area of low barometer, that was Monday afternoon between Dakota and Indian Territory, is now central in Indiana. A severe southwesterly storm has prevailed from Arkansas to Ohio, and a more severe northeast storm from Missouri to Lakes Huron and Superior. Local storms of great severity have apparently passed over Louisiana, Alabama, Tennessee, Indiana, and Illinois. Brisk southwest winds, with threatening and rainy weather, prevail in the South Atlantic States, as far as heard from, and in the Ohio Valley; increasing southeasterly winds on the Middle Atlantic coast; fresh to brisk northeast winds, with rain or snow, over the entire Lake region as far as heard from. The barometer is highest over New England, with partly cloudy weather. Brisk northwest winds and rising barometer apparently prevail over Nebraska and the Lower Missouri Valley. The rivers have risen at Memphis and Cairo and fallen at Pittsburgh and Cincinnati.

PROBABILITIES.

The storm-centre in Indiana move during the rest of Tuesday night northeastward over the Lower Lakes, and, on Wednesday, down the Saint Lawrence Valley, and extending somewhat eastward over New York and New England. For the Southern States, southerly winds backing to west, followed by clearing weather Wednesday afternoon. For the Middle States, increasing southeasterly winds, with cloud and rain during the rest of Tuesday night, and continuing Wednesday morning, with possibly southerly gales on the coast. For New England, falling barometer, easterly winds, cloud and rain. A severe storm continue over the Lake region during Tuesday night, and over the Lower Lakes Wednesday morning, but followed on the Upper Lakes by diminishing northwest winds and clearing weather. A second storm of equal severity is apparently approaching Dakota and Manitoba.

Cautionary signals continue at New Orleans, Mobile, Savannah, Charleston, Wilmington, Norfolk, Buffalo, Cleveland, Toledo, Detroit, Grand Haven, Chicago, and Milwaukee, and are ordered for Rochester, Oswego, Cape May, Baltimore, New York, New Haven, New London, and Wood's Hole.

FACTS—11 P. M., (*following the above "Probabilities."*)

WIND AND WEATHER.

(1.) *Clear.*—At San Diego, calm; Leavenworth, wind NW., gentle; Memphis, wind SW., gentle; Shreveport, wind W., gentle; Cincinnati and Nashville, wind SW., fresh; Galveston and Saint Paul, wind N., fresh; San Francisco, wind W., fresh.

(2.) *Fair.*—At Portland, Me., calm; Montgomery, wind S., light; Lynchburg, wind S., gentle; Duluth and Quebec, wind NE., gentle; Virginia City, wind SW., gentle; Breckenridge, wind SE., fresh; Corinne, Charleston, and Pittsburgh, wind S., fresh; Cairo and Cheyenne, wind W., brisk.

(3.) *Cloudy.*—At Denver and Savannah, calm; Burlington and Mobile, wind S., light; Portland, Oreg., wind SE., light; Augusta, wind S., gentle; Montreal, wind W., gentle; New Orleans, wind SW., gentle; Washington, wind NE., gentle; Boston and Kingston, wind E., fresh; Buffalo and Saugeen, wind S., fresh; Baltimore, wind NE., fresh; Detroit and Keokuk, wind W., fresh; Louisville and Toledo, wind SW., fresh; Pembina, Philadelphia, and Wilmington, wind SE., fresh; Stanley, wind SE., brisk; Saint Louis, wind W., brisk.

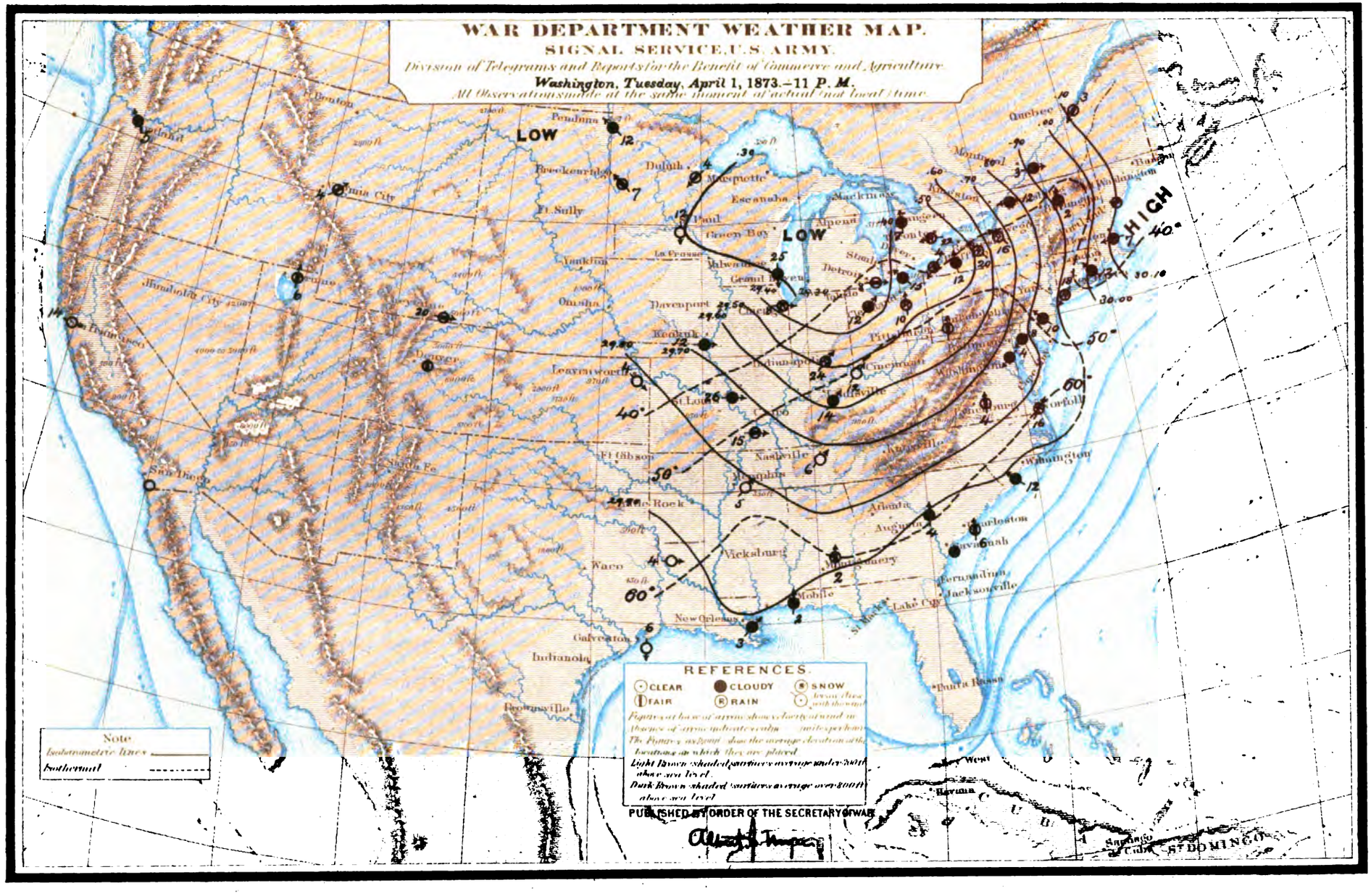
(4.) *Rainy.*—At Dover, wind NE., gentle; Chicago, wind W., fresh; Cleveland, wind S., fresh; Indianapolis and Norfolk, wind S., brisk; Milwaukee, wind N., brisk; Oswego and Rochester, wind SE., brisk; New York, wind NE., brisk; Toronto, wind E., brisk.

GENERAL REMARKS AS TO VERIFICATIONS.

The above "Probabilities" were generally verified, except "for the Middle States, possibly southerly gales on the coast," and cautionary signals for New Orleans, Mobile, Charleston, Wilmington, Norfolk, Cape May, Baltimore, New York, New London, and Wood's Hole," not verified.

METEOROLOGICAL RECORD, APRIL 1, 1873—11 P. M.

Place of observation.	Barometer.	Thermometer.	Relative humidity, per cent.	Wind.		Clouds.			Rain-fall in last 8 hours.	State of the weather.
				Direction.	Velocity.	Amount of lower.	Amount of upper.	Direction of upper.		
*Alpena, Mich	29.47	33	100	N. E.	23	4-4	.....	.....	.32	Heavy snow.
Augusta, Ga	29.92	60	88	S.	4	4-4	.....	.....	.09	Cloudy.
Baltimore, Md	29.77	51	59	N. E.	8	4-4	.....	.....	.....	Threatening.
Boston, Mass	30.12	39	82	E.	7	4-4	.....	.....	.....	Cloudy.
Breckenridge, Minn	29.72	32	79	S. E.	17	2-4	.....	.....	.....	Fair.
Buffalo, N. Y	29.40	49	64	S.	12	4-4	.....	.....	.....	Threatening.
Burlington, Vt	29.96	40	56	S.	2	4-4	.....	.....	.....	Threatening.
Cairo, Ill	29.72	53	48	W.	15	0	2-4	W.	.....	Fair.
*Cape May, N. J	29.85	46	84	S. E.	28	4-4	.....	.....	.....	Threatening.
Charleston, S. C	29.94	62	88	S.	6	3-4	0	.....	.57	Clearing.
Cheyenne, Wyo	29.79	45	26	W.	20	2-4	0	.....	.....	Fair.
Chicago, Ill	29.35	36	90	W.	8	4-4	.....	.....	.....	Light rain.
Cincinnati, Ohio	29.57	53	48	S. W.	12	1-4	0	.....	.34	Clear.
Cleveland, Ohio	29.50	46	84	S.	10	4-4	.....	.....	.19	Light rain.
Corinne, Utah	29.93	50	52	S.	6	2-4	Hazy	.....	.....	Fair.
*Davenport, Iowa	29.57	36	70	N. W.	10	2-4	0	.....	.33	Clearing.
Denver, Colo	29.86	48	16	Calm.	0	4-4	.....	.....	.....	Cloudy.
Detroit, Mich	29.38	43	100	W.	8	4-4	.....	.....	.....	Cloudy.
Duluth, Minn	29.32	35	83	N. E.	4	Hazy	Hazy	N. E.	.....	Fair.
*Eastport, Me	30.16	36	80	N. W.	6	4-4	.....	.....	.....	Cloudy.
*Escanaba, Mich	29.46	33	89	N.	30	4-4	.....	.....	.03	Heavy snow.
*Fort Benton, Mont	29.69	39	46	W.	18	0	4-4	W.	.....	Cloudy.
Fort Garry, Manitoba	29.78	40	96	S.	13	4-4	.....	.....	.....	Threatening.
*Fort Gibson, Ind. T	29.98	51	46	Calm.	0	0	0	.....	.....	Clear.
*Fort Sully, Dak	29.73	41	70	E.	14	0	0	.....	.....	Clear.
Galveston, Tex	29.97	70	49	N.	6	0	0	.....	.....	Clear.
*Grand Haven, Mich	29.27	35	90	E.	6	4-4	.....	.....	.09	Light rain.
Indianapolis, Ind	29.48	48	77	S. W.	24	4-4	.....	.....	.32	Heavy rain.
*Indianola, Tex	29.99	66	47	N.	17	0	0	.....	.....	Clear.
*Jacksonville, Fla	29.99	64	83	S. E.	4	1-4	0	.....	.....	Fair.
Keokuk, Iowa	29.67	37	81	W.	12	4-4	.....	.....	.05	Cloudy.
*Key West, Fla	30.03	77	82	E.	18	0	0	.....	.....	Clear.
Kingston, Canada	29.77	38	95	E.	12	4-4	.....	.....	.....	Threatening.
*Knoxville, Tenn	29.75	58	62	S.	18	2-4	0	.....	.....	Clearing.
*La Crosse, Wis	29.66	32	100	N. W.	11	4-4	.....	.....	.10	Heavy snow.
*Lake City, Fla	29.98	61	94	Calm.	0	4-4	.....	.....	.20	Cloudy.
Leavenworth, Kans	29.81	39	73	N. W.	4	0	0	.....	.....	Clear.
Louisville, Ky	29.56	52	60	S. W.	14	2-4	2-4	W.	.10	Cloudy.
Lynchburg, Va	29.75	50	93	S.	4	1-4	0	.....	.54	Fair.
*Marquette, Mich	29.63	32	100	N.	8	4-4	.....	.....	.05	Heavy snow.
Memphis, Tenn	29.81	59	38	S. W.	5	0	0	.....	.....	Clear.
Milwaukee, Wis	29.29	32	100	N.	25	4-4	.....	.....	.03	Light snow.
Mobile, Ala	29.94	65	94	S.	2	4-4	0	.....	.07	Cloudy.
Montgomery, Ala	29.89	60	94	S.	2	1-4	.....	.....	.....	Fair.
Montreal, Canada	29.93	37	80	W.	3	4-4	.....	.....	.....	Cloudy.
*Mount Washington, N. H	30.02	21	71	N. W.	22	2-4	0	.....	.....	Fair.
Nashville, Tenn	29.72	58	42	S. W.	6	0	1-4	W.	.....	Clear.
New London, Conn	30.08	39	86	S. E.	12	4-4	.....	.....	.....	Cloudy.
New Orleans, La	29.94	66	90	S. W.	3	4-4	.....	.....	.....	Threatening.
New York, N. Y	29.96	42	83	N. E.	18	4-4	.....	.....	.....	Heavy rain.
Norfolk, Va	29.87	65	89	S. W.	16	4-4	.....	.....	.03	Heavy rain.
*Omaha, Nebr	29.82	39	82	N. W.	4	0	0	.....	.07	Clear.
Oswego, N. Y	29.70	43	66	S. E.	16	4-4	.....	.....	.....	Heavy rain.
Pembina, Dak	29.68	34	89	S. E.	12	4-4	.....	.....	.....	Cloudy.
Philadelphia, Pa	29.90	45	68	S. E.	10	4-4	.....	.....	.02	Cloudy.
Pittsburgh, Pa	29.52	57	69	S.	14	1-4	0	.....	.....	Fair.
Port Dover, Canada	29.49	36	90	N. E.	4	4-4	.....	.....	.06	Light rain.
Port Stanley, Canada	29.46	42	78	S. E.	15	4-4	.....	.....	.15	Cloudy.
Portland, Me	30.11	35	69	Calm.	0	1-4	Hazy	.....	.....	Fair.
Portland, Oreg	30.05	50	79	S. E.	5	0	4-4	.....	.....	Cloudy.
*Punta Rassa, Fla	30.05	74	85	S.	11	1-4	0	.....	.....	Fair.
Quebec, Canada	30.14	28	89	N. E.	3	1-4	2-4	N. E.	.....	Fair.
Rochester, N. Y	29.60	46	55	S. E.	20	4-4	0	.....	.....	Light rain.
San Diego, Cal	29.97	60	81	Calm.	0	0	.....	.....	.....	Clear.
San Francisco, Cal	30.15	55	80	W.	14	Hazy	Hazy	.....	.....	Clear.
*Santa Fé, N. Mex	29.75	44	0	N.	6	1-4	0	.....	.....	Fair.
Sangeen, Canada	29.44	36	80	S.	7	4-4	.....	.....	.20	Threatening.
Savannah, Ga	29.94	62	88	Calm.	0	4-4	.....	.....	.45	Cloudy.
Shreveport, La	29.94	58	53	W.	4	0	0	.....	.....	Clear.
Saint Louis, Mo	29.72	42	57	W.	26	4-4	.....	.....	.01	Cloudy.
Saint Paul, Minn	29.29	35	62	N.	12	0	0	.....	.05	Clear.
Toledo, Ohio	29.39	48	77	S. W.	12	4-4	.....	.....	.16	Cloudy.
Toronto, Canada	29.55	36	82	E.	22	4-4	.....	.....	.11	Light rain.
*Vicksburg, Miss	29.96	63	41	N. W.	4	0	0	.....	.....	Clear.
Virginia City, Mont	29.57	32	59	S. W.	4	1-4	0	.....	.....	Fair.
Washington, D. C	29.75	51	72	N. E.	4	4-4	.....	.....	.....	Threatening.
Wilmington, N. C	29.92	63	94	S. E.	12	4-4	.....	.....	.32	Threatening.
Yankton, Dak	29.78	36	96	Calm.	0	0	0	.....	.....	Clear.


WAR DEPARTMENT WEATHER MAP.
SIGNAL SERVICE, U.S. ARMY.
Division of Telegrams and Reports for the Benefit of Commerce and Agriculture.
Washington, Tuesday, April 1, 1873.–11 P. M.
All Observations made at the same moment of actual local time.
LOW
LOW
HIGH
REFERENCES.
CLEAR
CLOUDY
SNOW
FAIR
RAIN
Note
Isobarometric lines
Isothermal
PUBLISHED BY ORDER OF THE SECRETARY OF WAR.

WASHINGTON, D. C.,
TUESDAY, *April* 1, 1873—11 *p. m.*

SYNOPSIS.

The storm-centre, that was Monday night in Nebraska and Kansas, has moved northeastward, and is now apparently over the Lower Lakes, with a secondary storm-centre over Chesapeake Bay. The barometer has risen during Tuesday evening throughout the Southern States and Valley of the Mississippi, but has fallen in the Middle and Eastern States. South and west winds, with partly cloudy weather, are now reported from the Southern States, and with cloudy weather in the Ohio Valley. Southerly winds, with cloud and rain, in North Carolina; northeast winds, with cloud and rain, on the Middle and East Atlantic coasts. Southeast winds, with rain, on Lake Ontario, and variable winds, with rain, on Lake Erie. Reports are very generally missing from the Upper Lakes, the Mississippi Valley, the Rocky Mountain and Pacific Coast stations.

PROBABILITIES.

The storm-centre move down the Saint Lawrence Valley, and a disturbance of lesser importance move northeastward toward Nova Scotia. For the Southern States, on Wednesday, generally westerly winds and clear or clearing weather. For the Ohio Valley and Lake Erie, fresh to brisk northwest winds and clearing weather, extending possibly over Lake Michigan. For the Middle Atlantic coast, brisk westerly winds, cloudy and clearing weather. For New England, increasing easterly winds, with cloud and rain. Cautionary signals continue at Norfolk, Cape May, Baltimore, New York, New Haven, New London, Wood's Hole, Oswego, Rochester, Buffalo, Cleveland, Toledo, Detroit, Grand Haven, Chicago, and Milwaukee, and are ordered for Boston, Portland, Me., and Eastport.

FACTS—7.35 A. M., (*following the above "Probabilities."*)

WIND AND WEATHER.

(1.) *Clear.*—At Omaha, calm; Memphis, wind NW., light; Montgomery, wind W., light; Galveston, wind E., gentle; Lynchburg and Saint Paul, wind W., gentle; Davenport, wind NW., fresh; Keokuk, wind W., fresh; Rochester, wind SE., fresh; Duluth, wind NW., brisk.

(2.) *Fair.*—At Augusta, wind S., gentle; Corinne, wind N., gentle; Nashville, wind W., gentle; New Orleans, wind NE., gentle; Baltimore, Knoxville, Philadelphia, and Pittsburgh, wind SW., fresh; Cheyenne and Saint Louis, wind W., fresh; Cape May and San Francisco, wind S., fresh; Oswego, wind SE., fresh; Kingston, wind SE., brisk.

(3.) *Cloudy.*—At Charleston, Savannah, and Toronto, calm; Washington, wind SW., gentle; Mobile, wind N., gentle; Burlington, wind S., fresh; Chicago, Louisville, and Wilmington, wind W., fresh; Pembina, wind SE., fresh; Stanley, wind SW., fresh; Buffalo, Cleveland, Cincinnati, and Toledo, wind SW., brisk; Breckenridge, wind SE., brisk; Eastport, wind NE., brisk; Indianapolis, wind W., brisk; Milwaukee, wind NW., brisk; Dover, wind SW., brisk.

(4.) *Rainy.*—At Lake City, calm; New York, wind S., light; New London, wind E., light; Boston and Montreal, wind E., gentle; Portland, Me., wind E., fresh; Norfolk, wind S., fresh; Grand Haven, wind W., brisk.

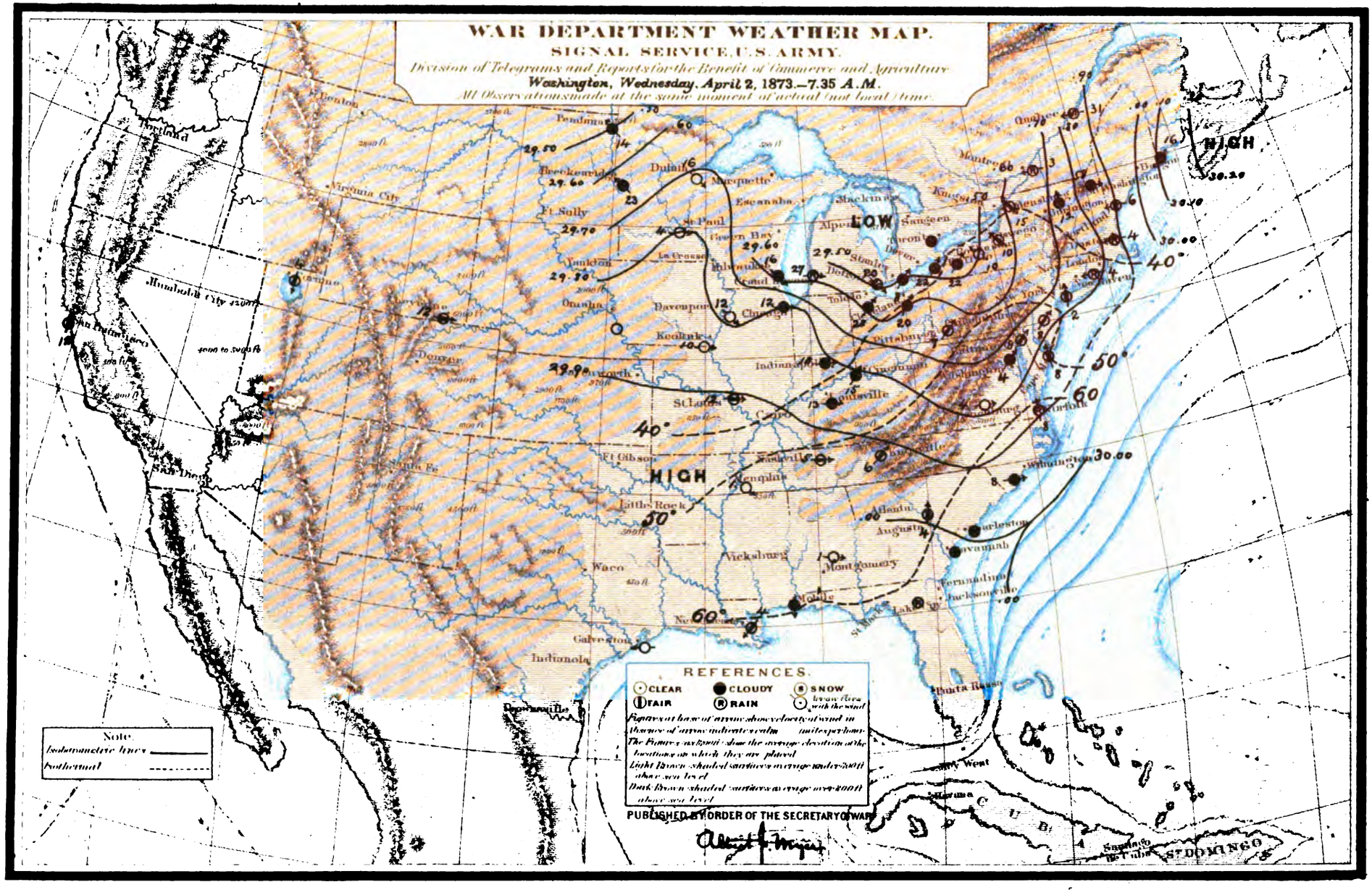
(5.) *Snowy.*—At Detroit, wind NW., brisk; Quebec, wind E., high.

GENERAL REMARKS AS TO VERIFICATIONS.

The above "Probabilities" were generally verified, except "cautionary signals for Norfolk, Cape May, Baltimore, New York, New Haven, New London, Wood's Hole, Boston, Portland, Me, and Eastport," not verified.

METEOROLOGICAL RECORD, APRIL 2, 1873—7.35 A. M.

Place of observation.	Barometer.	Thermometer.	Relative humidity, per cent.	Wind.		Clouds.			Rain-fall in last 8 hours.	State of the weather.
				Direction.	Velocity.	Amount of lower.	Amount of upper.	Direction of upper.		
*Alpena, Mich	29.33	34	89	S.	5	3-4	0	.....	.17	Cloudy.
Augusta, Ga	30.06	60	88	S.	4	1-4	1-4	S. W.	.13	Clearing.
Baltimore, Md	29.78	53	80	S. W.	8	Smoky	2-4	S. W.	.....	Fair.
Boston, Mass	29.94	38	95	E.	4	2-4	.....	.....	.18	Light rain.
Breckenridge, Minn	29.69	30	84	S. E.	23	4-4	.....	.....	.....	Cloudy.
Buffalo, N. Y	29.44	46	73	S. W.	22	0	4-4	S. W.	.01	Cloudy.
Burlington, Vt	29.80	38	80	S.	12	4-4	.....	.....	.09	Threatening.
*Cairo, Ill	29.95	43	51	W.	6	0	0	.....	.....	Clear.
Cape May, N. J	29.79	45	92	S.	12	3-4	0	.....	.04	Clearing.
Charleston, S. C	29.99	63	89	Calm.	0	3-4	1-4	W.	.....	Cloudy.
Cheyenne, Wyo	29.75	41	41	W.	12	0	1-4	W.	.....	Fair.
Chicago, Ill	29.82	36	70	W.	12	1-4	2-4	W.	.03	Fair.
Cincinnati, Ohio	29.81	42	58	S. W.	15	2-4	2-4	W.	.....	Cloudy.
Cleveland, Ohio	29.62	40	65	S. W.	20	4-4	.....	.....	.06	Cloudy.
Corinne, Utah	29.90	30	82	N.	4	2-4	Hazy..	.....	.....	Fair.
Davenport, Iowa	29.78	36	80	N. W.	12	Smoky	0	.....	.....	Clear.
*Denver, Colo	29.83	49	31	Calm.	0	1-4	1-4	N. W.	.....	Fair.
Detroit, Mich	29.50	35	90	N. W.	20	4-4	.....	.....	.02	Light snow.
Duluth, Minn	29.72	32	69	N. W.	16	0	1-4	N. W.	.....	Fair.
Eastport, Me	30.18	32	79	N. E.	16	0	4-4	.....	.....	Cloudy.
*Escanaba, Mich	29.46	33	89	N. W.	14	4-4	.....	.....	.02	Light snow.
*Fort Benton, Mont	29.75	33	51	S. W.	10	0	2-4	.....	.....	Fair.
Fort Garry, Manitoba	29.47	39	94	S. E.	17	2-4	2-4	S.	.01	Clearing.
Fort Gibson, Ind. T	30.04	43	67	N. E.	4	2-4	2-4	S. W.	.....	Cloudy.
*Fort Sully, Dak	29.71	41	69	W.S.W.	5	4-4	.....	.....	.....	Cloudy.
*Galveston, Tex	30.03	65	62	E.	4	0	1-4	.....	.....	Clear.
Grand Haven, Mich	29.44	34	90	W.	27	4-4	.....	.....	.06	Light rain.
Indianapolis, Ind	29.80	38	63	W.	18	4-4	.....	.....	.04	Cloudy.
*Indianola, Tex	30.04	66	52	N. E.	16	0	0	.....	.....	Clear.
*Jacksonville, Fla	30.01	67	74	S.	12	4-4	.....	.....	.....	Threatening.
Keokuk, Iowa	29.80	36	90	W.	10	0	0	.....	.....	Clear.
*Key West, Fla	30.05	78	82	S. E.	7	0	2-4	S. E.	.....	Fair.
Kingston, Canada	29.62	40	82	S. E.	15	0	2-4	S.	.....	Fair.
Knoxville, Tenn	29.90	53	66	S. W.	6	Hazy..	Hazy..	.....	.....	Fair.
*La Crosse, Wis	29.67	34	76	N. W.	1	0	3-4	N. W.	.....	Cloudy.
Lake City, Fla	30.01	62	100	Calm.	0	4-4	.....	.....	.08	Light rain.
*Leavenworth, Kans	29.90	31	89	S.	2	Smoky	0	.....	.....	Clear.
Louisville, Ky	29.84	44	52	W.	13	2-4	2-4	W.	.....	Cloudy.
Lynchburg, Va	29.78	50	93	W.	4	0	0	.....	.....	Clear.
*Marquette, Mich	29.54	31	89	N.	12	4-4	.....	.....	.04	Light snow.
Memphis, Tenn	30.02	54	55	N. W.	1	0	0	.....	.....	Clear.
Milwaukee, Wis	29.52	39	89	N. W.	16	4-4	.....	.....	.04	Cloudy.
*Mobile, Ala	30.09	61	50	N.	4	2-4	2-4	W.	.....	Cloudy.
Montgomery, Ala	30.05	55	93	W.	1	0	0	.....	.....	Clear.
Montreal, Canada	29.70	36	90	E.	3	4-4	.....	.....	.41	Heavy rain.
Mount Washington, N. H	29.82	19	84	W.	58	4-4	.....	.....	.....	Cloudy.
Nashville, Tenn	29.94	51	59	W.	5	Hazy..	Hazy..	.....	.....	Fair.
New London, Conn	29.82	42	100	E.	4	4-4	.....	.....	.18	Light rain.
New Orleans, La	30.05	62	51	N. E.	4	2-4	0	.....	.01	Fair.
New York, N. Y	29.77	46	100	S.	2	3-4	Fog ...	.....	.30	Light rain.
Norfolk, Va	29.91	61	94	S.	8	4-4	.....	.....	.09	Heavy rain.
Omaha, Nebr	29.86	33	89	Calm.	0	0	0	.....	.....	Clear.
Oswego, N. Y	29.62	44	71	S. E.	14	Smoky	2-4	S. W.	.20	Fair.
Pembina, Dak	29.51	34	94	S. E.	14	4-4	.....	.....	.....	Threatening.
Philadelphia, Pa	29.80	54	90	S. W.	8	Fog ...	3-4	W.	.03	Fair.
Pittsburgh, Pa	29.62	50	71	S. W.	7	0	2-4	S. W.	.02	Fair.
Port Dover, Canada	29.49	39	82	S. W.	22	0	4-4	S. W.	.05	Cloudy.
Port Stanley, Canada	29.51	36	93	S. W.	8	4-4	.....	.....	.07	Cloudy.
Portland, Me	29.98	36	80	E.	6	4-4	.....	.....	.03	Light rain.
*Portland, Oreg	29.68	45	84	S. E.	3	4-4	.....	.....	.09	Light rain.
*Punta Rassa, Fla	30.07	77	86	S.	7	Hazy..	1-4	W.	.....	Fair.
Quebec, Canada	29.90	30	100	E.	31	4-4	.....	.....	.20	Heavy snow.
Rochester, N. Y	29.54	46	72	S. E.	12	Hazy..	0	.....	.....	Clear.
*San Diego, Cal	29.93	52	73	E.	2	Hazy..	0	.....	.....	Clear.
San Francisco, Cal	30.11	51	93	S.	12	Fog ...	.....	.....	.....	Foggy.
*Santa Fé, N. Mex	29.74	38	17	S. E.	2	0	4-4	W.	.....	Fair.
*Saugeen, Canada	29.36	39	91	S.	7	1-4	3-4	S. W.	.12	Light rain.
Savannah, Ga	30.01	62	94	Calm.	0	2-4	2-4	W.	.....	Cloudy.
*Shreveport, La	30.00	51	65	Calm.	0	0	3-4	W.	.....	Cloudy.
Saint Louis, Mo	29.92	37	70	W.	12	Fog ...	.....	.....	.....	Fair.
Saint Paul, Minn	29.82	29	77	W.	4	0	0	.....	.....	Clear.
Toledo, Ohio	29.56	39	63	S. W.	28	4-4	.....	.....	.07	Cloudy.
Toronto, Canada	29.49	37	95	Calm.	0	4-4	.....	.....	.05	Threatening.
*Vicksburg, Miss	30.05	54	48	S.	2	0	0	.....	.....	Clear.
Virginia City, Mont	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Washington, D. C	29.78	55	68	S. W.	4	4-4	.....	.....	.....	Cloudy.
Wilmington, N. C	29.99	64	83	W.	8	4-4	.....	.....	.....	Cloudy.
*Yankton, Dak	29.72	34	92	S. E.	6	0	1-4	S. W.	.....	Fair.


WAR DEPARTMENT WEATHER MAP.
SIGNAL SERVICE, U.S. ARMY.
Division of Telegrams and Reports for the Benefit of Commerce and Agriculture
Washington, Wednesday, April 2, 1873.—7.35 A.M.
All Observations made at the same moment of actual (not local) time.
HIGH
LOW
HIGH
REFERENCES.
CLEAR
CLOUDY
SNOW
FAIR
RAIN
Note.
Isobarometric lines
Isothermal
PUBLISHED BY ORDER OF THE SECRETARY OF WAR

WASHINGTON, D. C.,
WEDNESDAY, *April* 2, 1873—7.35 *a. m.*

SYNOPSIS.

The area of lowest barometer, that was central Tuesday morning in Missouri, has moved northeastward to Lake Huron, a severe storm having been experienced on Lake Michigan and the Lower Lakes. Easterly winds, with cloud and rain, are now reported in New York and New England; southwest winds, with partly cloudy and clearing weather, over Pennsylvania and the Ohio Valley, and southward to the Gulf States, where the pressure is now highest. Fresh westerly winds, with generally clear weather, prevail throughout the Upper Mississippi Valley; brisk southwest winds, with cloudy weather, on Lake Erie; southeast winds, falling barometer, and threatening weather prevail in Dakota and Manitoba.

PROBABILITIES.

During the rest of Wednesday the storm-centre on Lake Huron move eastward to the Saint Lawrence Valley, with continued easterly winds and rain over New York and New England. Southwesterly winds, increasing to brisk, prevail over Lake Erie and the Middle States, with possibly rain throughout the Middle Atlantic coast, Wednesday afternoon, followed by westerly winds and clearing weather in the evening. Brisk northwest winds prevail during the day on Lake Michigan, but diminishing rapidly during the evening, with clearing weather. Increasing southeasterly winds extend over Minnesota and a portion of Lake Superior and Nebraska, preceding the storm-centre now in Manitoba and Dakota. Light and fresh westerly winds, rising barometer, and clear or clearing weather extend during the day eastward from Missouri and the Southwest to the Atlantic coast.

Cautionary signals continue at New York, New Haven, New London, Wood's Hole, Boston, Portland, Me., Eastport, Rochester, Oswego, Buffalo, Cleveland, Toledo, Detroit, Grand Haven, Chicago, Milwaukee, and Duluth.

FACTS—4.35 P. M., (*following the above "Probabilities."*)

WIND AND WEATHER.

(1.) *Clear.*—At Charleston, Louisville, and Savannah, wind SW., fresh; Galveston, wind SE., fresh; Indianola and New Orleans, wind E., fresh; Keokuk, wind S., brisk; Wilmington, wind SW., brisk.

(2.) *Fair.*—At Davenport and Montgomery, wind SW., light; Denver and Vicksburg, wind NW., light; Boston, wind NW., gentle; Mobile, wind SE., gentle; Nashville and Santa Fé, wind W., gentle; Baltimore, Lake City, Marquette, and Washington, wind NW., fresh; Augusta, Cincinnati, and Chicago, wind SW., fresh; Breckenridge, wind SE., fresh; Fort Benton, Cairo, Indianapolis, Milwaukee, Punta Rassa, Key West, Philadelphia, and San Diego, wind W., fresh; Leavenworth, wind S., fresh; Shreveport, wind SE., fresh; Cheyenne and Knoxville, wind W., brisk; Kingston, Lynchburg, and Norfolk, wind SW., brisk; Omaha, wind NW., brisk; Saint Louis, wind S., brisk.

(3.) *Cloudy.*—At Duluth and Virginia City, calm; Memphis, wind SE., light; Burlington and Montreal, wind S., gentle; Alpena, Oswego, Pittsburgh, and Rochester, wind W., fresh; Corinne and Saint Paul, wind S., fresh; Fort Gibson, wind SE., fresh; Escanaba, wind NW., fresh; Saugeen, wind SW., fresh; Cleveland, San Francisco, and Toronto, wind SW., brisk; Detroit, wind NW., brisk; Grand Haven and Toledo, wind W., brisk; Quebec, wind E., brisk.

(4.) *Rainy.*—At New York, wind SW., fresh; Portland, Me., wind NE., fresh; Portland, Oreg., wind SE., brisk.

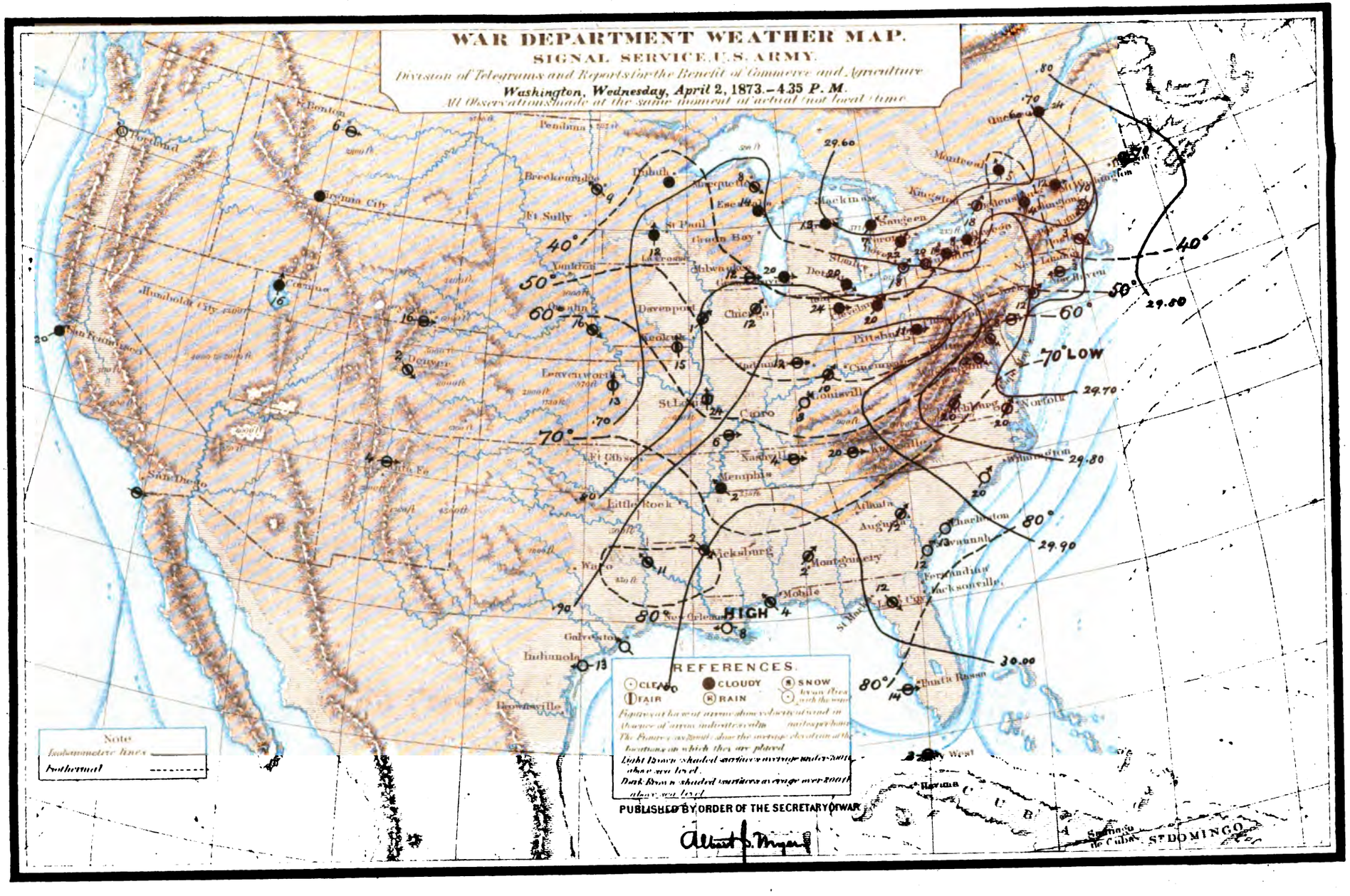
(5.) *Snowy.*—At Buffalo, wind NW., brisk; Dover, wind SW., brisk.

GENERAL REMARKS AS TO VERIFICATIONS.

The above "Probabilities" were generally verified, except "during the rest of Wednesday, continued easterly winds over New York," and "cautionary signals for New York, New Haven, New London, Wood's Hole, Boston, Portland, Me., Eastport, Chicago, Milwaukee, and Duluth," not verified.

METEOROLOGICAL RECORD, APRIL 2, 1873—4.35 P. M.

Place of observation.	Barometer.	Thermometer.	Relative humidity, per cent.	Wind.		Clouds.			Rain-fall in last 8 hours.	State of the weather.
				Direction.	Velocity.	Amount of lower.	Amount of upper.	Direction of upper.		
Alpena, Mich	29.53	38	81	W.	13	4-4	.....	.....	.....	Cloudy.
Augusta, Ga	29.94	75	19	S. W.	12	0	2-4	W.	.....	Fair.
Baltimore, Md	29.71	67	35	N. W.	12	Hazy..	1-4	W.	.....	Fair.
Boston, Mass	29.77	39	95	N. W.	3	Fog...	.....	.....	.09	Foggy.
Breckenridge, Minn	29.65	37	76	S. E.	9	0	2-4	N. W.	.....	Fair.
Buffalo, N. Y	29.65	38	77	N. W.	20	4-4	.....	.....	.01	Light snow.
Burlington, Vt	29.66	42	65	S.	4	4-4	.....	.....	.....	Threatening.
Cairo, Ill	29.96	65	26	W.	6	2-4	1-4	.....	.....	Fair.
*Cape May, N. J	29.71	59	59	S. W.	12	0	1-4	S. W.	.....	Fair.
Charleston, S. C	29.91	73	72	S. W.	13	0	1-4	W.	.....	Clear.
Cheyenne, Wyo	29.73	57	25	W.	16	0	2-4	W.	.....	Fair.
Chicago, Ill	29.85	46	47	S. W.	12	0	2-4	.....	.....	Fair.
Cincinnati, Ohio	29.97	50	52	S. W.	10	Smoky	1-4	W.	.....	Fair.
Cleveland, Ohio	29.85	40	65	S. W.	23	4-4	.....	.....	.....	Cloudy.
Corinne, Utah	29.72	63	21	S.	16	2-4	2-4	S. W.	.....	Cloudy.
Davenport, Iowa	29.82	50	57	S. W.	1	Smoky	2-4	W.	.....	Fair.
Denver, Colo	29.74	67	2	N. W.	2	0	2-4	N. W.	.....	Fair.
Detroit, Mich	29.76	38	72	N. W.	20	0	4-4	W.	.07	Cloudy.
Duluth, Minn	29.65	43	21	Calm.	0	4-4	.....	.....	.....	Cloudy.
Eastport, Me	29.97	34	90	E.	10	4-4	.....	.....	.23	Sleet.
Escanaba, Mich	29.65	35	70	N. W.	14	4-4	.....	.....	.01	Cloudy.
Fort Benton, Mont	29.66	52	6	W.	6	0	3-4	S. W.	.....	Fair.
*Fort Garry, Manitoba	29.33	37	86	E.	11	4-4	.....	.....	.06	Light rain.
Fort Gibson, Ind. T	29.85	74	15	S. E.	8	4-4	.....	.....	.....	Cloudy.
*Fort Sully, Dak	29.66	58	12	W.	30	2-4	2-4	W.	.....	Cloudy.
Galveston, Tex	29.98	70	52	S. E.	9	0	Hazy..	.....	.....	Clear.
Grand Haven, Mich	29.77	38	71	W.	20	4-4	.....	.....	.....	Cloudy.
Indianapolis, Ind	29.91	49	50	W.	12	0	2-4	W.	.....	Fair.
Indianola, Tex	29.98	71	73	E.	13	0	0	.....	.....	Clear.
*Jacksonville, Fla	29.96	81	55	S. W.	8	0	2-4	S. W.	.03	Fair.
Keokuk, Iowa	29.78	57	41	S.	15	0	2-4	W.	.....	Fair.
Key West, Fla	30.02	86	67	W.	8	0	1-4	.....	.....	Fair.
Kingston, Canada	29.69	37	92	S. W.	18	0	3-4	W.	.....	Fair.
Knoxville, Tenn	29.91	65	26	W.	20	0	2-4	W.	.....	Fair.
*La Crosse, Wis	29.81	46	47	S.	7	3-4	0	.....	.....	Fair.
Lake City, Fla	29.96	79	65	N. W.	12	0	2-4	N. W.	.34	Fair.
Leavenworth, Kans	29.69	65	35	S.	13	0	2-4	N. W.	.....	Fair.
Louisville, Ky	29.94	56	40	S. W.	8	0	0	.....	.....	Clear.
Lynchburg, Va	29.72	68	26	S. W.	20	0	1-4	S. W.	.....	Fair.
Marquette, Mich	29.71	38	55	N. W.	8	0	3-4	N. W.	.01	Clearing.
Memphis, Tenn	29.99	69	23	S. E.	2	3-4	0	.....	.....	Cloudy.
Milwaukee, Wis	29.74	41	74	W.	12	1-4	2-4	W.	.....	Clearing.
Mobile, Ala	30.02	78	36	S. E.	4	0	2-4	S. W.	.....	Fair.
Montgomery, Ala	30.00	75	22	S. W.	2	0	3-4	.....	.....	Fair.
Montreal, Canada	29.58	42	74	S.	5	0	4-4	S.	.....	Cloudy.
Mount Washington, N. H	29.78	32	89	W.	12	4-4	.....	.....	.....	Cloudy.
Nashville, Tenn	29.97	66	28	W.	4	0	3-4	W.	.....	Fair.
New London, Conn	29.75	45	96	E.	3	Fog...	.....	.....	.....	Foggy.
New Orleans, La	30.02	73	67	E.	8	0	0	.....	.....	Clear.
New York, N. Y	29.70	56	81	S. W.	12	4-4	.....	.....	.03	Light rain.
Norfolk, Va	29.76	75	36	S. W.	20	0	1-4	W.	.18	Fair.
Omaha, Nebr	29.67	63	33	N. W.	16	0	2-4	N. W.	.....	Fair.
Oswego, N. Y	29.71	39	67	W.	8	4-4	.....	.....	.13	Cloudy.
*Pembina, Dak	29.38	34	100	N. W.	24	4-4	.....	.....	.06	Cloudy.
Philadelphia, Pa	29.69	64	53	W.	8	1-4	2-4	W.	.....	Fair.
Pittsburgh, Pa	29.90	43	59	W.	11	0	4-4	W.	.....	Cloudy.
Port Dover, Canada	29.70	35	90	S. W.	18	4-4	.....	.....	.....	Sleet.
*Port Stanley, Canada	29.78	34	88	S. W.	6	4-4	.....	.....	.01	Cloudy.
Portland, Me	29.75	34	100	N. E.	10	4-4	.....	.....	1.26	Light rain.
Portland, Oreg	29.49	49	71	S. E.	21	4-4	.....	.....	.24	Heavy rain.
Punta Rassa, Fla	30.05	80	71	W.	14	0	1-4	.....	.....	Fair.
Quebec, Canada	29.79	35	100	E.	24	4-4	.....	.....	.10	Cloudy.
Rochester, N. Y	29.69	41	65	W.	16	4-4	2-4	.....	.....	Cloudy.
San Diego, Cal	29.93	70	67	W.	6	0	1-4	W.	.....	Fair.
San Francisco, Cal	30.01	62	66	S. W.	20	4-4	2-4	.....	.....	Threatening.
Santa Fé, N. Mex	29.68	63	0	W.	4	0	4-4	W.	.....	Fair.
Saugeen, Canada	29.57	34	89	S. W.	7	4-4	1-4	.....	.18	Cloudy.
Savannah, Ga	29.96	77	52	S. W.	13	0	1-4	S. W.	.....	Clear.
Shreveport, La	29.91	80	19	S. E.	11	0	0	W.	.....	Fair.
Saint Louis, Mo	29.88	59	37	S.	24	2-4	3-4	.....	.....	Fair.
Saint Paul, Minn	29.74	47	78	S.	12	1-4	3-4	S.	.....	Cloudy.
Toledo, Ohio	29.80	43	58	W.	24	4-4	.....	.....	.01	Cloudy.
Toronto, Canada	29.62	36	80	S. W.	22	4-4	.....	.....	.....	Cloudy.
Vicksburg, Miss	30.00	81	20	N. W.	2	0	Hazy..	.....	.....	Fair.
Virginia City, Mont	29.40	32	72	Calm.	0	4-4	.....	.....	.....	Threatening
Washington, D. C	29.71	66	32	N. W.	12	Smoky	2-4	W.	.....	Fair.
Wilmington, N. C	29.86	74	55	S. W.	20	0	1-4	S. W.	.52	Clear.
Yankton, Dak	29.65	56	69	W.	2	0	1-4	W.	.....	Fair.


WAR DEPARTMENT WEATHER MAP.
SIGNAL SERVICE, U.S. ARMY.
Division of Telegrams and Reports for the Benefit of Commerce and Agriculture
Washington, Wednesday, April 2, 1873.–4.35 P. M.
All Observations made at the same moment of actual mean local time
HIGH
LOW
REFERENCES.
CLEAR
FAIR
CLOUDY
RAIN
SNOW
Note
Isobarometric lines
Isothermal
PUBLISHED BY ORDER OF THE SECRETARY OF WAR

WASHINGTON, D. C.,
WEDNESDAY, *April* 2, 1873—4.35 *p. m.*

SYNOPSIS.

The storm-centre, which was central yesterday afternoon in Indiana, has moved northeastward into Canada. A slight depression also exists on the Middle Atlantic coast. Easterly winds, with fog and light rain, have prevailed during Wednesday in New England; westerly winds, with cloudy weather, on the Lower Lakes; westerly winds and clearing weather from Pennsylvania southward to Florida. In the Gulf States, increasing southeasterly winds, with clear weather. In the Southwest and northward to Kansas, the barometer has fallen decidedly with increasing southerly winds. Diminishing westerly winds and clearing weather are reported from the Upper Lakes. The barometer has fallen quite low on the California and Oregon coast, with threatening and rainy weather, extending thence eastward into Montana. The rivers have risen at Memphis, Cairo, Cincinnati, and Saint Paul, and fallen at Nashville, Pittsburgh, and Louisville.

PROBABILITIES.

Areas of low barometer advance during Thursday eastward over the Lower Missouri Valley, and also over Oregon. For the latter State, cloud and rain continue. In the Western Gulf States, increasing southerly winds and threatening weather. In the Eastern Gulf and South Atlantic States, rising barometer, light winds, and generally clear weather. For the Middle and Eastern States, rising barometer, westerly winds, partly cloudy and clear weather, except possibly in Maine, where northeast winds backing to northwest, with cloudy weather, are apparently more probable. For the Lower Lakes, diminishing westerly winds with generally cloudy weather. For Lake Michigan, southerly winds backing to southeast, and partly cloudy weather. For Lake Superior, light easterly winds.

Cautionary signals continue at Boston, Portland, Me., Eastport, Oswego, Rochester, Buffalo, Cleveland, Toledo, and Detroit.

FACTS—11 P. M., (*following the above "Probabilities."*)

WIND AND WEATHER.

(1.) *Clear.*—At Augusta, Keokuk, Mobile, Montgomery, and Nashville, calm; Cincinnati and San Diego, wind W., light; Baltimore, wind NW., gentle; Charleston, Lynchburg, and Leavenworth, wind W., gentle; Louisville, wind S., gentle; Milwaukee, wind SW., gentle; Memphis, New Orleans, and Shreveport, wind SE., gentle; Omaha, wind N., gentle; Savannah, wind NW., gentle; Philadelphia, wind NW., fresh; Saint Paul, wind E., fresh; Washington, wind N., fresh.

(2.) *Fair.*—At Santa Fé, calm; Indianapolis, wind S., light; Pembina, wind NW., light; Wilmington, wind SW., light; Norfolk, wind NW., gentle; Detroit and Marquette, wind NW., fresh; Cairo, wind SE., fresh; Breckenridge and Saint Louis, wind S., fresh; Galveston, wind SE., fresh; Pittsburgh, wind SW., fresh; San Francisco, wind W., brisk.

(3.) *Cloudy.*—At New London, calm; Boston, wind E., light; Denver, wind S., light; Burlington and Davenport, wind S., gentle; Duluth, wind SW., gentle; Cleveland, Escanaba, Stanley, and Toledo, wind W., gentle; Portland, Me., wind NW., gentle; Corinne, Cheyenne, and Portland, Oreg., wind S., fresh; Chicago, wind SE., fresh; Montreal, New York, and Oswego, wind W., fresh; Dover and Saugeen, wind SW., fresh; Toronto, wind NW., fresh; Buffalo, wind NW., brisk; Rochester, wind W., brisk; Kingston, wind SW., brisk.

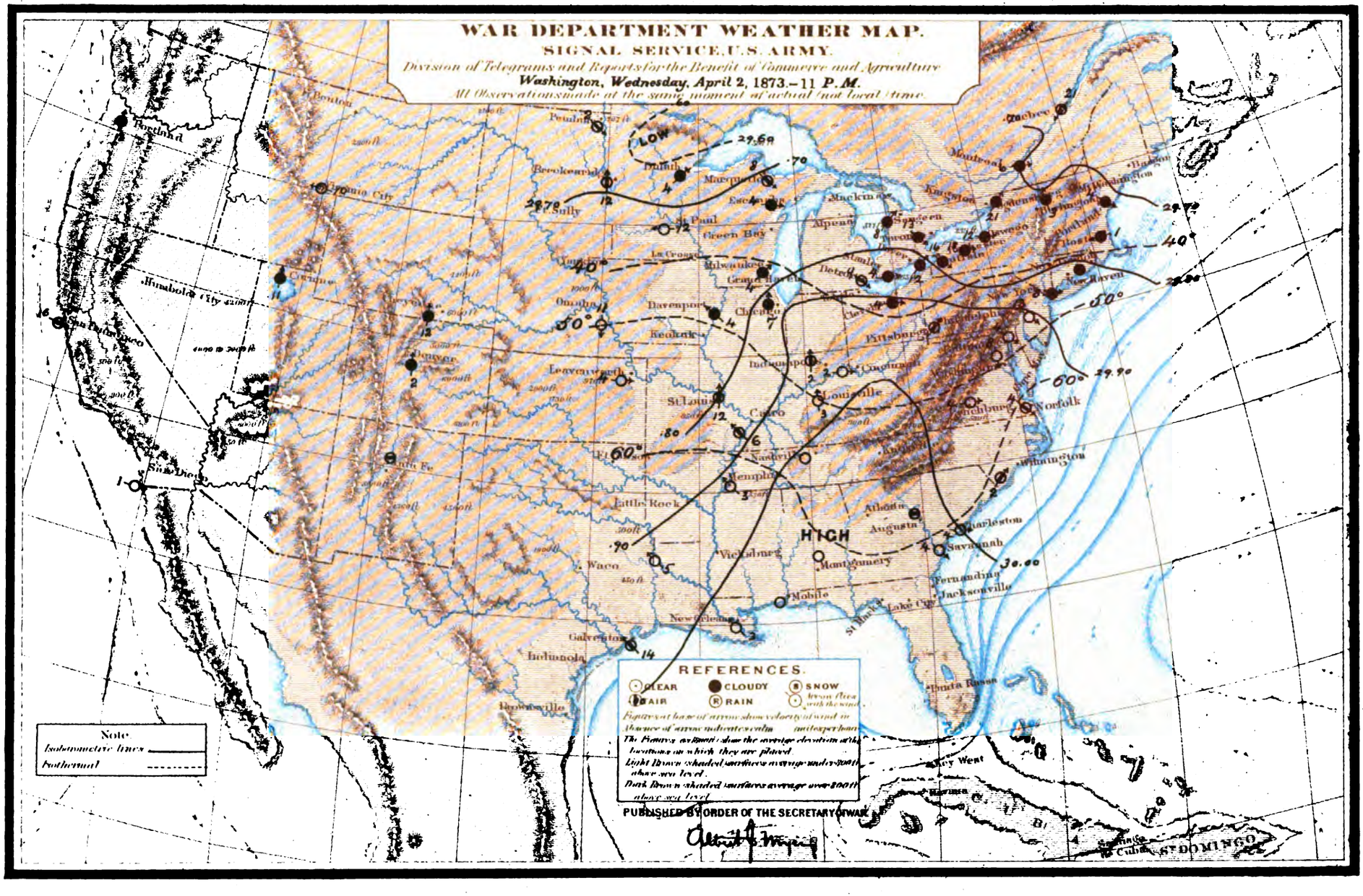
(4.) *Rainy.*—At Virginia City, wind E., fresh; Quebec, wind NE., brisk.

GENERAL REMARKS AS TO VERIFICATIONS.

The above "Probabilities" were generally verified, except "for the Lower Lakes, westerly winds," partly verified; "in the Western Gulf States, threatening weather," and "cautionary signals for Boston, Portland, Me., and Eastport," not verified.

METEOROLOGICAL RECORD, APRIL 2, 1873—11 P. M.

Place of observation.	Barometer.	Thermometer.	Relative humidity, per cent.	Wind.		Clouds.			Rain-fall in last 8 hours.	State of the weather.
				Direction.	Velocity.	Amount of lower.	Amount of upper.	Direction of upper.		
*Alpena, Mich	29.73	34	79	W.	16	4-4				Cloudy.
Augusta, Ga	30.06	58	76	Calm.	0	0	2-4			Clear.
Baltimore, Md	29.95	51	38	W.	4	Hazy	Hazy			Clear.
Boston, Mass	29.77	38	90	E.	1	4-4			.01	Cloudy.
Breckenridge, Minn	29.71	34	80	S.	12	1-4	2-4			Fair.
Buffalo, N. Y	29.74	37	72	N. W.	16	4-4				Cloudy.
Burlington, Vt	29.73	38	80	S.	3	4-4			.07	Threatening.
Cairo, Ill	29.91	56	40	S. E.	6	1-4	1-4			Fair.
*Cape May, N. J	29.89	49	68	N. W.	12	0	0			Clear.
Charleston, S. C	30.00	63	72	W.	4	0	0			Clear.
Cheyenne, Wyo	29.65	51	22	S.	12	4-4				Cloudy.
Chicago, Ill	29.90	42	74	S.	7	0	4-4	S.		Cloudy.
Cincinnati, Ohio	30.01	45	68	W.	2	Smoky	0			Clear.
Cleveland, Ohio	29.96	38	81	W.	4	4-4				Cloudy.
Corinne, Utah	29.47	55	66	S.	11	4-4				Cloudy.
Davenport, Iowa	29.76	46	69	S. E.	4	4-4				Threatening.
Denver, Colo	29.71	54	10	S.	2	4-4				Cloudy.
Detroit, Mich	29.89	39	70	N. W.	9	0	1-4			Fair.
Duluth, Minn	29.69	33	72	S. W.	4	4-4	1-4			Cloudy.
*Eastport, Me	29.76	34	100	S. E.	14	4-4			.27	Light rain.
Escanaba, Mich	29.76	30	83	W.	4	3-4	1-4	W.		Cloudy.
*Fort Benton, Mont	29.52	40	31	E.	2	2-4	2-4			Cloudy.
Fort Garry, Manitoba	29.46	33	97	N. W.	11	3-4	Hazy			Clearing.
*Fort Gibson, Ind. T	29.88	65	26	S. E.	6	0	0			Clear.
*Fort Sully, Dak	29.74	45	24	Calm.	0	4-4				Cloudy.
Galveston, Tex	29.99	68	79	S. E.	14	0	2-4			Fair.
*Grand Haven, Mich	29.84	35	62	S. W.	10	4-4				Cloudy.
Indianapolis, Ind	29.94	44	71	S.	2	Hazy	0			Fair.
*Indianola, Tex	29.98	70	85	S. E.	7	4-4				Cloudy.
*Jacksonville, Fla	30.04	71	85	N. W.	4	4-4			.03	Cloudy.
Keokuk, Iowa	29.75	51	52	Calm.	0	0	0			Clear.
*Key West, Fla	30.07	77	82	E.	6	3-4	0			Fair.
Kingston, Canada	29.76	34	89	S. W.	21	4-4				Cloudy.
*Knoxville, Tenn	30.03	54	40	Calm.	0	0	1-4			Fair.
*La Crosse, Wis	29.82	40	86	S. W.	1	4-4			.13	Light rain.
*Lake City, Fla	30.03	70	81	W.	2	1-4	2-4	W.		Fair.
Leavenworth, Kans	29.74	57	52	W.	4	0	Hazy			Clear.
Louisville, Ky	29.97	50	58	S.	3	Fog	0			Clear.
Lynchburg, Va	29.93	55	44	W.	4	0	0			Clear.
Marquette, Mich	29.77	44	77	N. W.	8	1-4	2-4	N. W.		Fair.
Memphis, Tenn	29.98	62	36	S. E.	3	0	1-4			Clear.
Milwaukee, Wis	29.79	40	82	S. W.	4	4-4				Cloudy.
Mobile, Ala	30.07	63	72	Calm.	0	0	0			Clear.
Montgomery, Ala	30.05	60	66	Calm.	0	0	0			Clear.
Montreal, Canada	29.64	37	80	W.	6	4-4			.22	Cloudy.
*Mount Washington, N. H	29.70	26	88	W.	18	4-4				Cloudy.
Nashville, Tenn	30.02	54	67	Calm.	0	0	0			Clear.
New London, Conn	29.83	40	95	Calm.	0	4-4			.24	Cloudy.
New Orleans, La	30.02	63	66	S. E.	3	0	0			Clear.
New York, N. Y	29.85	48	43	W.	8	2-4	1-4		.05	Cloudy.
Norfolk, Va	29.93	64	47	N. W.	4	0	2-4			Fair.
Omaha, Nebr	29.77	50	65	N.	4	0	0			Clear.
Oswego, N. Y	29.95	41	65	W.	12	4-4				Cloudy.
Pembina, Dak	29.55	32	84	N. W.	2	0	1-4			Fair.
Philadelphia, Pa	29.91	48	43	N. W.	13	0	0		.01	Clear.
Pittsburgh, Pa	29.98	41	57	S. W.	13	0	1-4			Fair.
Port Dover, Canada	29.85	35	80	S. W.	12	0	4-4	S. W.		Cloudy.
Port Stanley, Canada	29.87	35	80	W.	4	4-4				Cloudy.
Portland, Me	29.72	34	89	N. W.	4	2-4	2-4			Cloudy.
Portland, Oreg	29.67	42	83	S.	12	4-4			.21	Cloudy.
*Punta Rassa, Fla	30.08	73	90	N. E.	2	0	0			Clear.
Quebec, Canada	29.76	33	100	N. E.	21	4-4			.10	Light snow.
Rochester, N. Y	29.78	39	72	W.	18	4-4				Cloudy.
San Diego, Cal	29.93	60	81	W.	1	0	0			Clear.
San Francisco, Cal	30.01	50	26	W.	16	0	1-4	W.	.05	Fair.
Santa Fé, N. Mex	29.68	51	4	Calm.	0	1-4	Hazy			Fair.
Saugeen, Canada	29.73	34	89	S. W.	8	4-4				Cloudy.
Savannah, Ga	30.04	65	45	N. W.	4	0	0			Clear.
Shreveport, La	29.95	66	36	S. E.	5	0	0			Clear.
Saint Louis, Mo	29.82	53	49	S.	12	Hazy	Hazy			Fair.
Saint Paul, Minn	29.78	36	70	E.	12	0	0			Clear.
Toledo, Ohio	29.92	40	71	W.	4	4-4				Cloudy.
Toronto, Canada	29.74	36	86	N. W.	13	0	4-4			Cloudy.
*Vicksburg, Miss	30.01	66	35	E.	6	0	0			Clear.
Virginia City, Mont	29.14	32	90	E.	10	4-4				Heavy snow.
Washington, D. C	29.90	48	43	N.	8	0	Hazy			Clear.
Wilmington, N C	29.96	61	88	S. W.	2	0	1-4	W.		Fair.
*Yankton, Dak	29.70	48	80	Calm.	0	0	0			Clear.


WAR DEPARTMENT WEATHER MAP.
SIGNAL SERVICE, U.S. ARMY.
Division of Telegrams and Reports for the Benefit of Commerce and Agriculture
Washington, Wednesday, April 2, 1873.–11 P.M.
All Observations made at the same moment of actual (not local) time.
LOW
HIGH
REFERENCES.
CLEAR
CLOUDY
SNOW
FAIR
RAIN
Note
Isobarometric lines
Isothermal
PUBLISHED BY ORDER OF THE SECRETARY OF WAR

WASHINGTON, D. C.,
WEDNESDAY, *April* 2, 1873—11 *p. m.*

SYNOPSIS.

The area of lowest barometer, that was Tuesday night central over Lakes Michigan and Huron, is now in the Lower Saint Lawrence Valley, where brisk northeast winds, with snow, are reported. The pressure has risen over New England and the Middle States, with westerly winds, cloudy and clearing weather. The barometer is now highest over Georgia, and clear weather, with light winds, are now reported from the Eastern Gulf and South Atlantic States. A slight barometric depression exists in Missouri, and southeast winds are reported from the Lower Ohio Valley and the Southwest. Westerly winds and cloudy weather prevail over the Lower Lakes, and cloudy weather, with southwesterly winds, over the Upper Lakes. The barometer has fallen quite low in Oregon and Montana, with threatening weather and rain or snow. It has fallen, with cloudy and threatening weather and southerly winds, in California and Utah.

PROBABILITIES.

For Thursday in the Gulf and South Atlantic States, generally clear weather and rising temperature. In the Missouri Valley, falling barometer, accompanied by increasing southerly winds over the Southwest and Ohio Valley. For the Middle States, westerly winds, partly cloudy and clear weather. For New England, northwest winds, cloudy and clearing weather. For the Lower Lakes, southwest winds and partly cloudy weather. For the Upper Lakes, winds back to southeast, with partly cloudy and clear weather Thursday morning, followed by cloudy weather Thursday night. The low barometer in Montana extend eastward into the Missouri Valley.

FACTS—7.35 A. M., (*following the above "Probabilities."*)

WIND AND WEATHER.

(1.) *Clear.*—At Escanaba, Lake City, and Pembina, calm; Knoxville, wind W., light; Baltimore, wind SW., gentle; Charleston, wind N., gentle; Louisville, wind S., gentle; Marquette and Washington, wind NW., gentle; Cape May and New London, wind W., fresh; Philadelphia and New York, wind SW., fresh.

(2.) *Fair.*—At Lynchburg, Milwaukee, Nashville, and Saint Paul, calm; Wilmington, wind NE., light; Jacksonville, wind N., light; Montgomery, wind NW., light; Portland, Me., wind W., light; Saugeen, wind SW., light; Cheyenne, wind SW., gentle; Augusta, wind W., gentle; Memphis, Key West, and Punta Rassa, wind SE., gentle; Keokuk and Omaha, wind E., gentle; Norfolk, wind NE., gentle; Savannah, wind N., gentle; Cincinnati, wind S., gentle; San Francisco, wind NW., gentle; Boston and Montreal, wind W., fresh; Buffalo and Indianapolis, wind SW., fresh; Chicago, wind N., fresh; Grand Haven, wind SE., fresh; Saint Louis and Toledo, wind E., fresh.

(3.) *Cloudy.*—At Cleveland, calm; Burlington, wind S., light; Davenport, wind SW., light; New Orleans, wind SE., light; Breckenridge, wind SE., gentle; Galveston, wind S., gentle; Mobile, wind NW., gentle; Dover, wind SW., gentle; Oswego and Toronto, wind W., fresh; Pittsburgh, wind SW., fresh; Kingston, wind SW., brisk; Corinne, wind N., brisk; Rochester, wind W., brisk.

(4.) *Snowy.*—At Quebec and Stanley, wind SW., light; Detroit, wind W., light; Eastport, wind NW., fresh.

GENERAL REMARKS AS TO VERIFICATIONS.

The above "Probabilities" were generally verified, except "for the Lower Lakes, southwest winds," and "for the Gulf States, generally clear weather," partly verified.

WASHINGTON, D. C.,
WEDNESDAY, *April* 2, 1873—7.35 *a. m.*

SYNOPSIS.

The area of lowest barometer, that was central Tuesday morning in Missouri, has moved northeastward to Lake Huron, a severe storm having been experienced on Lake Michigan and the Lower Lakes. Easterly winds, with cloud and rain, are now reported in New York and New England; southwest winds, with partly cloudy and clearing weather, over Pennsylvania and the Ohio Valley, and southward to the Gulf States, where the pressure is now highest. Fresh westerly winds, with generally clear weather, prevail throughout the Upper Mississippi Valley; brisk southwest winds, with cloudy weather, on Lake Erie; southeast winds, falling barometer, and threatening weather prevail in Dakota and Manitoba.

PROBABILITIES.

During the rest of Wednesday the storm-centre on Lake Huron move eastward to the Saint Lawrence Valley, with continued easterly winds and rain over New York and New England. Southwesterly winds, increasing to brisk, prevail over Lake Erie and the Middle States, with possibly rain throughout the Middle Atlantic coast, Wednesday afternoon, followed by westerly winds and clearing weather in the evening. Brisk northwest winds prevail during the day on Lake Michigan, but diminishing rapidly during the evening, with clearing weather. Increasing southeasterly winds extend over Minnesota and a portion of Lake Superior and Nebraska, preceding the storm-centre now in Manitoba and Dakota. Light and fresh westerly winds, rising barometer, and clear or clearing weather extend during the day eastward from Missouri and the Southwest to the Atlantic coast.

Cautionary signals continue at New York, New Haven, New London, Wood's Hole, Boston, Portland, Me., Eastport, Rochester, Oswego, Buffalo, Cleveland, Toledo, Detroit, Grand Haven, Chicago, Milwaukee, and Duluth.

FACTS—4.35 P. M., (*following the above "Probabilities."*)

WIND AND WEATHER.

(1.) *Clear.*—At Charleston, Louisville, and Savannah, wind SW., fresh; Galveston, wind SE., fresh; Indianola and New Orleans, wind E., fresh; Keokuk, wind S., brisk; Wilmington, wind SW., brisk.

(2.) *Fair.*—At Davenport and Montgomery, wind SW., light; Denver and Vicksburg, wind NW., light; Boston, wind NW., gentle; Mobile, wind SE., gentle; Nashville and Santa Fé, wind W., gentle; Baltimore, Lake City, Marquette, and Washington, wind NW., fresh; Augusta, Cincinnati, and Chicago, wind SW., fresh; Breckenridge, wind SE., fresh; Fort Benton, Cairo, Indianapolis, Milwaukee, Punta Rassa, Key West, Philadelphia, and San Diego, wind W., fresh; Leavenworth, wind S., fresh; Shreveport, wind SE., fresh; Cheyenne and Knoxville, wind W., brisk; Kingston, Lynchburg, and Norfolk, wind SW., brisk; Omaha, wind NW., brisk; Saint Louis, wind S., brisk.

(3.) *Cloudy.*—At Duluth and Virginia City, calm; Memphis, wind SE., light; Burlington and Montreal, wind S., gentle; Alpena, Oswego, Pittsburgh, and Rochester, wind W., fresh; Corinne and Saint Paul, wind S., fresh; Fort Gibson, wind SE., fresh; Escanaba, wind NW., fresh; Saugeen, wind SW., fresh; Cleveland, San Francisco, and Toronto, wind SW., brisk; Detroit, wind NW., brisk; Grand Haven and Toledo, wind W., brisk; Quebec, wind E., brisk.

(4.) *Rainy.*—At New York, wind SW., fresh; Portland, Me., wind NE., fresh; Portland, Oreg., wind SE., brisk.

(5.) *Snowy.*—At Buffalo, wind NW., brisk; Dover, wind SW., brisk.

GENERAL REMARKS AS TO VERIFICATIONS.

The above "Probabilities" were generally verified, except "during the rest of Wednesday, continued easterly winds over New York," and "cautionary signals for New York, New Haven, New London, Wood's Hole, Boston, Portland, Me., Eastport, Chicago, Milwaukee, and Duluth," not verified.

WASHINGTON, D. C.,
THURSDAY, *April* 3, 1873—7.35 *a. m.*

SYNOPSIS.

The low barometer, that was Wednesday morning over Lake Huron, has moved northeastward beyond our stations, and the pressure has risen very generally throughout the country east of the Mississippi. Fresh southwest winds and partly cloudy and clearing weather prevail over the Middle and Eastern States. Light northerly winds over the South Atlantic States, with clear weather; variable winds, mostly from the southwest, with cloudy weather and occasional light snow, are reported from the Lower Lakes. The barometer has fallen quite low in Oregon and Montana, the lowest pressure being probably now central in Northern Wyoming. Easterly winds and falling barometer are reported from Nebraska.

PROBABILITIES.

For the rest of Thursday, in New England, rising barometer, light and fresh westerly winds, partly cloudy and clear weather. For the Middle and South Atlantic States, clear weather and rising temperature, followed Thursday evening by falling barometer and hazy or cloudy weather. From Alabama westward to Texas, falling barometer, increasing southeasterly winds, and cloudy weather. For the Lake region, generally falling barometer, and for the Upper Lakes, winds backing to southeast. A storm-centre develop during the day in the Missouri Valley, with increasing southerly winds and cloudy and threatening weather, from Missouri to Minnesota.

FACTS—4.35 P. M., (*following the above "Probabilities."*)

WIND AND WEATHER.

(1.) *Clear.*—At Saugeen, wind SW., light; Lake City, wind S., gentle; Charleston, Jacksonville, and Savannah, wind E., fresh; Toronto, wind W., fresh; Wilmington, wind SE., fresh; Omaha, wind SE., brisk.

(2.) *Fair.*—At Grand Haven and Marquette, calm; Eastport and Stanley, wind SW., light; Detroit, wind E., light; Augusta, wind SE., gentle; Dover, wind W., gentle; New York, wind NW., gentle; Indianapolis, wind E., gentle; Milwaukee, wind NE., gentle; Montreal and Rochester, wind W., fresh; Buffalo, Kingston, Louisville, Lynchburg, New Orleans, and Vicksburg, wind SW., fresh; Chicago, wind NE., fresh; Nashville and Norfolk, wind S., fresh; Key West, Oswego, and Punta Rassa, wind NW., fresh; Memphis, wind SE., fresh; Cheyenne, wind W., fresh; Cairo, Indianola, Leavenworth, and Saint Louis, wind S., brisk; Davenport, Keokuk, and Yankton, wind SE., brisk; Denver, Philadelphia, Santa Fé, San Francisco, and San Diego, wind SW., brisk; Knoxville, wind W., brisk.

(3.) *Cloudy.*—At Pembina and Quebec, calm; Pittsburgh, wind NW., light; Montgomery, wind SE., light; Burlington, wind W., gentle; Duluth, wind NE., gentle; Cincinnati, wind S., gentle; Virginia City, wind SW., gentle; Boston, wind NW., fresh; Breckenridge, wind NE., fresh; Cleveland, wind N., fresh; Baltimore, Escanaba, Galveston, and Shreveport, wind SE., fresh; New London and Portland, Me., wind SW., fresh; Mobile and Portland, Oreg., wind S., fresh; Saint Paul, wind E., fresh; Cape May, wind S., brisk; Washington, wind SW., brisk; Fort Sully, wind E., brisk; Fort Gibson, wind SE., high.

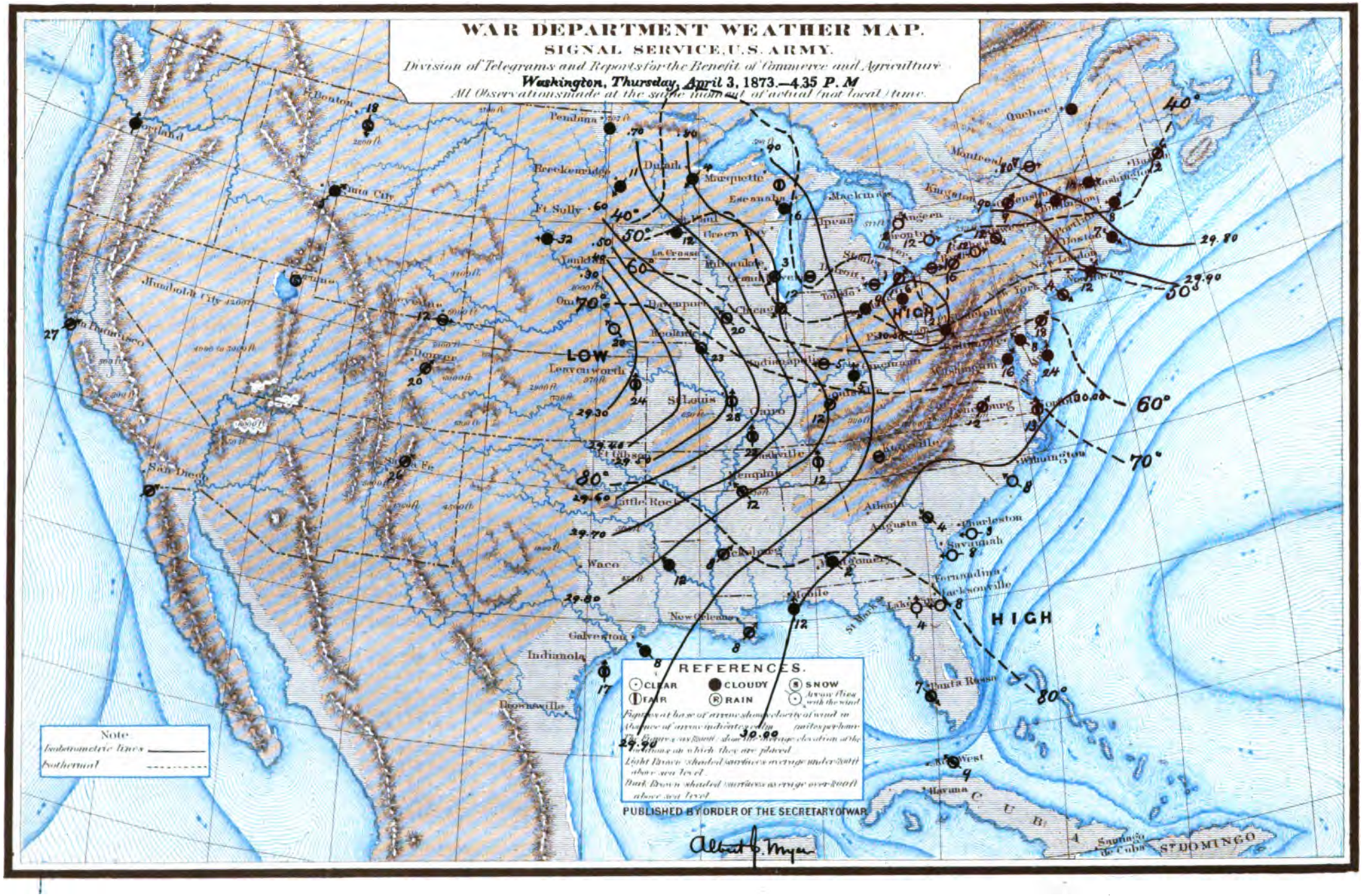
(4.) *Snowy.*—At Corinne, calm; Fort Benton, wind N., brisk.

GENERAL REMARKS AS TO VERIFICATIONS.

The above "Probabilities" were generally verified, except "for the Middle and South Atlantic States, Thursday evening, falling barometer;" "from Alabama westward to Texas, falling barometer, increasing southeasterly winds, and cloudy weather," and "for the Lake region, generally falling barometer," partly verified.

METEOROLOGICAL RECORD, APRIL 3, 1873—4.35 P. M.

Place of observation.	Barometer.	Thermometer.	Relative humidity, per cent.	Wind.		Clouds.			Rain-fall in last 8 hours.	State of the weather.
				Direction.	Velocity.	Amount of lower.	Amount of upper.	Direction of upper.		
*Alpena, Mich	29.95	40	65	S. E.	5	0	1-4	S. E.	.....	Fair.
Augusta, Ga	30.07	77	18	S. E.	4	0	2-4	W.	.....	Fair.
Baltimore, Md	29.94	60	48	S. E.	8	1-4	3-4	W.	.....	Cloudy.
Boston, Mass	29.87	48	49	N. W.	7	4-4	.....	.....	.....	Cloudy.
Breckenridge, Minn	29.64	37	75	N. E.	11	4-4	.....	.....	.....	Cloudy.
Buffalo, N. Y	29.93	37	73	S. W.	6	Smoky	1-4	S. W.	.07	Fair.
Burlington, Vt	29.86	38	62	W.	4	4-4	.....	.....	.....	Cloudy.
Cairo, Ill	29.75	77	78	S.	22	Hazy..	Hazy..	.....	.....	Fair.
Cape May, N. J	29.98	47	70	S.	24	0	3-4	W.	.....	Cloudy.
Charleston, S. C	30.08	67	50	E.	7	0	0	.....	.....	Clear.
Cheyenne, Wyo	29.42	67	5	W.	12	0	2-4	W.	.....	Fair.
Chicago, Ill	29.86	43	67	N. E.	12	Smoky	2-4	W.	.....	Fair.
Cincinnati, Ohio	29.90	69	52	S.	5	4-4	.....	.....	.....	Cloudy.
Cleveland, Ohio	30.05	40	82	N.	6	4-4	.....	.....	.03	Cloudy.
Corinne, Utah	29.76	37	53	Calm.	0	4-4	.....	.....	.....	Light snow.
Davenport, Iowa	29.66	59	43	S. E.	20	Hazy..	Hazy..	W.	.....	Fair.
Denver, Colo	29.41	74	0	S. W.	20	0	1-4	W.	.....	Fair.
Detroit, Mich	30.01	45	68	E.	1	1-4	1-4	W.	.....	Fair.
Duluth, Minn	29.82	40	75	N. E.	4	4-4	.....	.....	.....	Cloudy.
Eastport, Me	29.74	42	74	S. W.	2	0	2-4	N. W.	.....	Fair.
Escanaba, Mich	29.88	38	81	S. E.	6	1-4	2-4	S.	.....	Cloudy.
Fort Benton, Mont	29.61	34	95	N.	18	4-4	.....	.....	.32	Heavy snow.
Fort Garry, Manitoba	29.64	10	87	S. E.	3	2-4	2-4	S. W.	.....	Cloudy.
Fort Gibson, Ind. T	29.67	81	38	S. E.	32	Hazy..	2-4	.....	.....	Cloudy.
Fort Sully, Dak	29.30	67	21	E.	22	Smoky	.....	.....	.....	Cloudy.
Galveston, Tex	29.90	76	76	S. E.	8	Hazy..	4-4	S. E.	.....	Cloudy.
Grand Haven, Mich	29.88	47	77	Calm.	0	2-4	Hazy..	.....	.....	Fair.
Indianapolis, Ind	29.84	65	39	E.	5	Hazy..	Hazy..	.....	.....	Fair.
Indianola, Tex	29.87	80	72	S.	17	0	1-4	S. W.	.....	Fair.
Jacksonville, Fla	30.09	77	24	E.	8	0	0	.....	.....	Clear.
Keokuk, Iowa	29.52	70	32	S. E.	23	0	Hazy..	.....	.....	Fair.
Key West, Fla	30.02	82	67	S. E.	9	0	1-4	N. W.	.....	Fair.
Kingston, Canada	29.93	36	97	S. W.	9	0	2-4	W.	.....	Fair.
Knoxville, Tenn	29.97	73	16	W.	16	0	3-4	N. W.	.....	Fair.
*La Crosse, Wis	29.72	57	38	S. E.	13	0	2-4	S. W.	.....	Fair.
Lake City, Fla	30.04	81	38	S.	4	0	0	.....	.....	Clear.
Leavenworth, Kans	29.32	77	46	S.	24	0	2-4	N. W.	.....	Fair.
Louisville, Ky	29.82	77	21	S. W.	12	Smoky	1-4	.....	.....	Fair.
Lynchburg, Va	29.91	75	23	S. W.	12	0	2-4	S. W.	.....	Fair.
Marquette, Mich	29.91	42	58	Calm.	0	0	2-4	W.	.....	Fair.
Memphis, Tenn	29.86	78	25	S. E.	12	0	Hazy..	.....	.....	Fair.
Milwaukee, Wis	29.81	39	82	N. E.	3	Hazy..	1-4	N. W.	.....	Fair.
Mobile, Ala	30.06	76	64	S.	12	2-4	2-4	S. W.	.....	Cloudy.
Montgomery, Ala	30.02	80	30	S. E.	2	Smoky	4-4	N. W.	.....	Cloudy.
Montreal, Canada	29.71	38	71	W.	7	0	2-4	W.	.....	Fair.
Mount Washington, N. H	29.67	19	84	W.	14	4-4	.....	.....	.....	Cloudy.
Nashville, Tenn	29.88	77	22	S.	12	0	2-4	W.	.....	Fair.
New London, Conn	29.92	49	62	S. W.	12	0	4-4	S. W.	.....	Cloudy.
New Orleans, La	29.99	77	69	S. W.	8	0	2-4	S. W.	.....	Fair.
New York, N. Y	29.92	56	62	N. W.	4	0	2-4	N. W.	.....	Fair.
Norfolk, Va	30.02	69	40	S.	13	0	2-4	.....	.....	Fair.
Omaha, Nebr	29.28	72	46	S. E.	20	Smoky	0	.....	.....	Clear.
Oswego, N. Y	29.94	41	60	N. W.	12	1-4	Hazy..	.....	.....	Fair.
Pembina, Dak	29.69	39	81	Calm.	0	4-4	.....	.....	.....	Cloudy.
Philadelphia, Pa	29.93	59	38	S. W.	18	Hazy..	2-4	N. W.	.....	Fair.
Pittsburgh, Pa	29.94	59	48	N. W.	2	4-4	.....	.....	.....	Cloudy.
Port Dover, Canada	29.99	42	66	W.	5	0	2-4	N. W.	.....	Fair.
Port Stanley, Canada	30.04	38	88	S. W.	1	0	2-4	S. W.	.16	Fair.
Portland, Me	29.78	43	51	S. W.	8	0	3-4	.....	.....	Cloudy.
Portland, Oreg	29.92	51	72	S.	7	4-4	.....	.....	.....	Cloudy.
Punta Rassa, Fla	30.05	81	61	N. W.	7	0	1-4	N.	.....	Fair.
Quebec, Canada	29.75	37	90	Calm.	0	4-4	.....	.....	.....	Cloudy.
Rochester, N. Y	29.93	44	56	W.	12	0	2-4	W.	.....	Fair.
San Diego, Cal	29.88	62	57	S. W.	17	0	2-4	W.	.....	Fair.
San Francisco, Cal	30.07	52	41	S. W.	27	0	2-4	S. W.	.....	Fair.
Santa Fé, N. Mex	29.76	67	0	S. W.	26	0	1-4	S. W.	.....	Fair.
Saugeen, Canada	29.96	39	82	S. W.	2	0	0	.....	.....	Clear.
Savannah, Ga	30.08	71	32	E.	8	Smoky	1-4	.....	.....	Clear.
Shreveport, La	29.85	78	61	S. E.	12	Hazy..	4-4	S. W.	.....	Cloudy.
Saint Louis, Mo	29.59	76	22	S.	28	2-4	Hazy..	.....	.....	Fair.
Saint Paul, Minn	29.68	55	43	E.	12	0	4-4	E.	.....	Cloudy.
Toledo, Ohio	29.95	46	76	N. E.	9	1-4	3-4	W.	.....	Cloudy.
Toronto, Canada	29.95	45	50	W.	12	0	1-4	W.	.....	Clear.
Vicksburg, Miss	29.96	80	53	S. W.	8	0	2-4	S. W.	.....	Fair.
Virginia City, Mont	29.37	28	88	S. W.	5	4-4	.....	.....	.....	Cloudy.
Washington, D. C	29.91	69	35	S. W.	16	2-4	1-4	W.	.....	Cloudy.
Wilmington, N. C	30.09	73	37	S. E.	8	0	0	.....	.....	Clear.
Yankton, Dak	29.26	70	61	S. E.	20	Hazy..	3-4	W.	.....	Fair.


WAR DEPARTMENT WEATHER MAP.
SIGNAL SERVICE, U.S. ARMY.
Division of Telegrams and Reports for the Benefit of Commerce and Agriculture
Washington, Thursday, April 3, 1873.—4.35 P. M
All Observations made at the same instant of actual (not local) time.
LOW
HIGH
HIGH
REFERENCES.
CLEAR
CLOUDY
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Note
Isobarometric lines
Isothermal
PUBLISHED BY ORDER OF THE SECRETARY OF WAR.
Albert J. Myer

WASHINGTON, D. C.,
THURSDAY, *April* 3, 1873—4.35 *p. m.*

SYNOPSIS.

The barometer has risen since Wednesday afternoon in the Atlantic States and over the Lake region; it has fallen from the Mississippi Valley westward, with fresh to high southeasterly winds, rapidly rising temperature, and partly cloudy weather, preceding an area of low barometer that has advanced from Oregon to Dakota, and has stretched during Thursday afternoon southeastward into Kansas. The barometric depression in Nebraska is unusually great. Brisk westerly and southwesterly winds prevail in Wyoming, Colorado, and New Mexico. Increasing northeast winds and cloudy weather are reported from the Northwest; easterly winds, with clear weather, from the South Atlantic States. Fresh to brisk southerly winds, with cloudy weather, have prevailed for a short time in the Middle Atlantic States, probably accompanying a local storm in Eastern Pennsylvania. Westerly winds, partly cloudy and clearing weather, are reported from Northern New England, with temperature somewhat lower than on Wednesday. The rivers have risen at Memphis and Cairo and fallen at Nashville.

PROBABILITIES.

The low barometer in Nebraska extend southeastward over Missouri during the rest of Thursday night, and thence to Ohio or the Lower Lakes on Friday. For the Gulf States, on Friday, increasing southerly winds, with cloudy weather; rain on the western coast Friday morning, and in the Eastern Gulf States Friday afternoon. For the South Atlantic States, increasing southeast winds, veering to southwest, with rain by Friday night, and possibly by Friday evening in Georgia. For the Middle States, southeast and southwest winds, cloudy and threatening weather. For New England, light winds, partly cloudy and clear weather. For the Lake region, generally northeasterly winds, with threatening weather and possibly rain.

Cautionary signals are ordered at Duluth, Milwaukee, Chicago, and Grand Haven.

FACTS—11 P. M., (*following the above "Probabilities."*)

WIND AND WEATHER.

(1.) *Clear.*—At Augusta, Buffalo, Savannah, Wilmington, and Washington, calm; Charleston, wind SE., gentle; Cleveland and Philadelphia, wind NE., gentle; New London, wind NW., gentle; Boston and New York, wind NW., fresh; Keokuk, Memphis, and Shreveport, wind S., fresh; Fort Gibson and Louisville, wind SE., fresh; Davenport, wind E., fresh; Lynchburg, wind SW., fresh; Oswego, wind W., fresh; Omaha, wind SE., fresh; Leavenworth, wind S., brisk; Yankton, wind E., brisk; San Francisco, wind NW., brisk.

(2.) *Fair.*—At Baltimore, calm; Montgomery, wind SE., light; Toronto, wind N., light; Kingston and Rochester, wind W., gentle; Cincinnati, Indianapolis, and Pittsburgh, wind SE., gentle; Nashville, wind S., gentle; Corinne, wind N., fresh; Dover and Norfolk, wind S., fresh; Galveston, wind SE., fresh; Cairo, wind SE., brisk; Saint Louis, wind S., brisk.

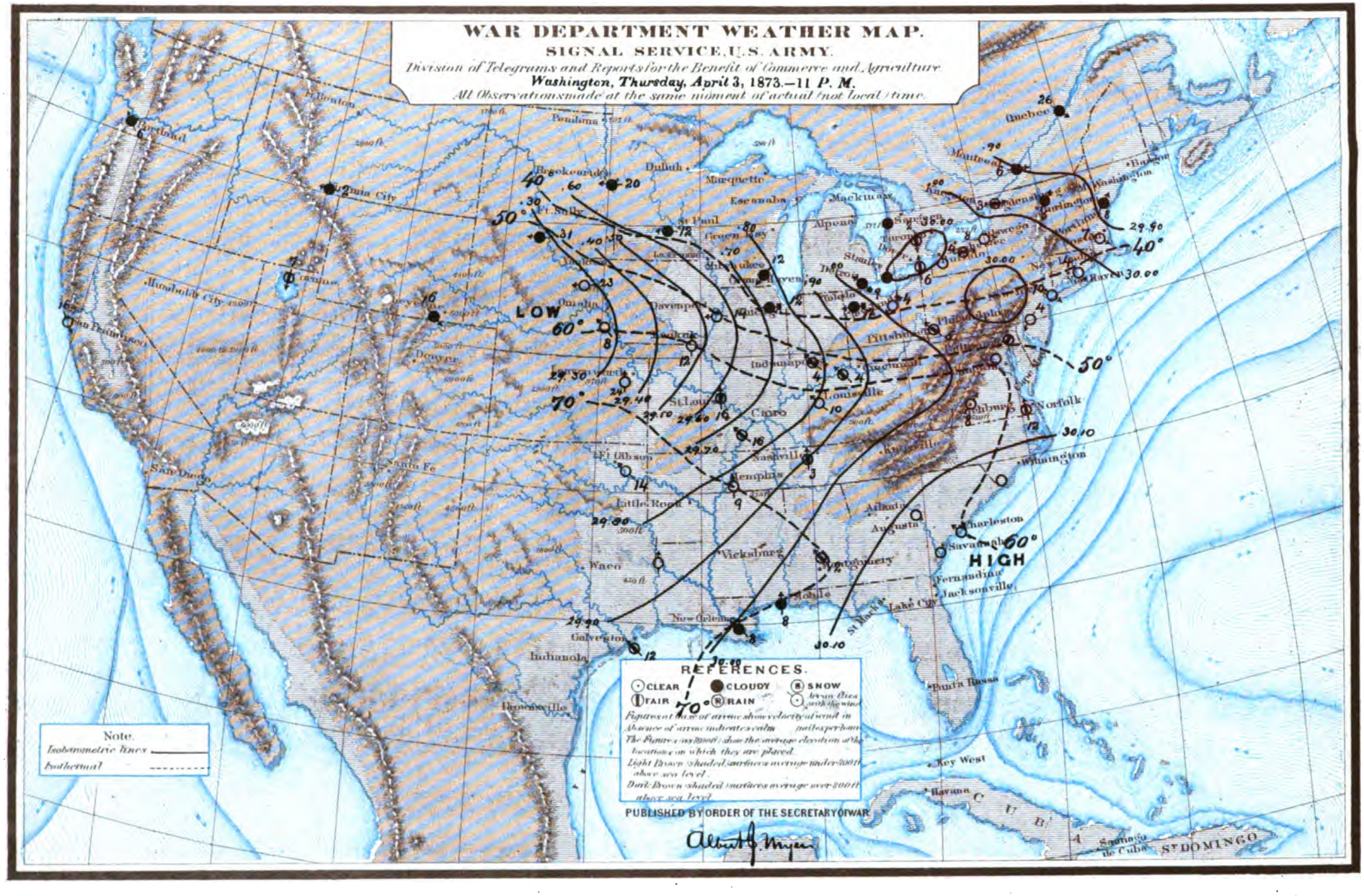
(3.) *Cloudy.*—At Saugeen and Stanley, calm; Virginia City, wind E., light; Burlington, wind SW., gentle; Chicago, Saint Paul, and Toledo, wind E., fresh; Milwaukee, wind NE., fresh; Detroit, New Orleans, and Portland, Oreg., wind SE., fresh; Portland, Me., wind SW., fresh; Mobile, wind S., fresh; Breckenridge, wind E., brisk; Cheyenne, wind NW., brisk; Fort Sully, wind E., high.

GENERAL REMARKS AS TO VERIFICATIONS.

The above "Probabilities" were generally verified, except "for the Gulf States on Friday, cloudy weather," and "for the Middle States, cloudy and threatening weather," partly verified; "for the Gulf States, rain on the western coast Friday morning and in the Eastern Gulf States Friday afternoon;" "for the South Atlantic States, rain by Friday night and possibly by Friday evening in Georgia," and "for the Lake region, possibly rain," not verified.

METEOROLOGICAL RECORD, APRIL 3, 1873—11 P. M.

Place of observation.	Barometer.	Thermometer.	Relative humidity, per cent.	Wind.		Clouds.			Rain-fall in last 8 hours.	State of the weather.
				Direction.	Velocity.	Amount of lower.	Amount of upper.	Direction of upper.		
*Alpena, Mich	30.06	35	80	Calm.	0	4-4				Cloudy.
Augusta, Ga	30.16	60	71	Calm.	0	0	0			Clear.
Baltimore, Md	30.06	58	48	Calm.	0	Hazy	1-4	N. W.		Fair.
Boston, Mass	29.98	41	65	N. W.	7	1-4	0			Clear.
Breckenridge, Minn	29.67	36	81	E.	20	4-4				Cloudy.
Buffalo, N. Y	30.05	35	84	Calm.	0	Hazy	Hazy			Clear.
Burlington, Vt	29.97	38	62	S. W.	5	4-4				Cloudy.
Cairo, Ill	29.77	69	35	S. E.	16	Hazy	0			Fair.
*Cape May, N. J	30.07	49	71	S. W.	10	0	0			Clear.
Charleston, S. C	30.16	60	88	S. E.	3	0	0			Clear.
Cheyenne, Wyo	29.56	40	21	N. W.	16	4-4				Clear.
Chicago, Ill	29.76	44	68	E.	12	2-4	2-4	W.		Cloudy.
Cincinnati, Ohio	29.85	61	55	S. E.	4	Smoky	2-4	W.		Fair.
Cleveland, Ohio	30.05	41	82	N. E.	4	Hazy	1-4	W.		Clear.
Corinne, Utah	29.81	32	59	N.	7	0	1-4			Fair.
Davenport, Iowa	29.58	50	72	E.	14	Hazy	0			Clear.
*Denver, Colo	29.50	65	0	S. W.	8	0	0			Clear.
Detroit, Mich	30.04	37	82	S. E.	9	4-4				Cloudy.
*Duluth, Minn	29.84	38	72	Calm.	0	0	2-4	N. E.		Fair.
*Eastport, Me	29.82	38	81	Calm.	0	0	4-4			Cloudy.
*Escanaba, Mich	29.98	36	90	N.	4	4-4				Cloudy.
*Fort Benton, Mont	29.78	31	100	N.	4	4-4			.10	Cloudy.
*Fort Garry, Manitoba	29.75	34	97	N. E.	5	2-4	2-4	W.		Cloudy.
Fort Gibson, I. T	29.71	73	67	S. E.	14	0	0			Clear.
Fort Sully, Dak	29.89	53	61	E.	31	4-4				Cloudy.
Galveston, Tex	29.94	71	90	S. E.	12	Fog				Foggy.
*Grand Haven, Mich	29.83	43	75	E.	20	4-4				Cloudy.
Indianapolis, Ind	29.76	58	59	S. E.	4	0	1-4	W.		Fair.
*Indianola, Tex	29.91	71	90	S. E.	13	4-4				Cloudy.
*Jacksonville, Fla	30.15	65	49	E.	4	0	1-4	E.		Clear.
Keokuk, Iowa	29.45	67	46	S.	12	0	0			Clear.
*Key West, Fla	30.11	77	76	E.	5	0	0			Clear.
Kingston, Canada	29.97	36	95	W.	3	0	3-4			Fair.
*Knoxville, Tenn	30.01	57	51	Calm.	0	0	1-4			Fair.
*La Crosse, Wis	29.76	45	61	N. E.	11	1-4	3-4	S. W.		Cloudy.
*Lake City, Fla	30.12	68	52	S.	4	0	0			Clear.
Leavenworth, Kans	29.36	69	67	S.	24	0	Hazy			Clear.
Louisville, Ky	29.82	67	75	S. E.	10	0	0			Clear.
Lynchburg, Va	30.01	61	42	S. W.	8	0	0			Clear.
*Marquette, Mich	30.00	33	89	Calm.	0	3-4				Cloudy.
Memphis, Tenn	29.87	69	56	S.	9	0	Hazy			Clear.
Milwaukee, Wis	29.79	38	81	N. E.	12	2-4	2-4	S. W.		Cloudy.
Mobile, Ala	30.09	68	94	S.	8	4-4				Cloudy.
Montgomery, Ala	30.05	70	57	S. E.	2	0	Hazy			Fair.
Montreal, Canada	29.87	37	71	W.	6	0	4-4	W.		Cloudy.
*Mount Washington, N. H	29.65	17	83	N. W.	41	4-4				Cloudy.
Nashville, Tenn	29.91	66	36	S.	3	0	3-4	W.		Fair.
New London, Conn	30.03	41	83	N. W.	4	0	0			Clear.
New Orleans, La	30.02	69	90	S. E.	8	4-4				Cloudy.
New York, N. Y	30.06	45	57	N. W.	10	0	0			Clear.
Norfolk, Va	30.09	59	62	S.	12	0	2-4			Fair.
Omaha, Nebr	29.26	62	85	S. E.	8	0	0			Clear.
Oswego, N. Y	30.07	36	85	W.	8	0	0			Clear.
*Pembina, Dak	29.76	36	90	Calm.	0	4-4				Cloudy.
Philadelphia, Pa	30.08	49	57	N. E.	4	0	Hazy			Clear.
Pittsburgh, Pa	30.03	48	49	S. E.	5	Hazy	Hazy	S.		Fair.
Port Dover, Canada	30.11	33	100	S.	6	0	1-4			Fair.
Port Stanley, Canada	30.10	32	98	Calm.	0	4-4				Cloudy.
Portland, Me	29.88	39	63	S. W.	8	2-4	1-4			Cloudy.
Portland, Oreg	29.97	42	84	S. E.	6	4-4			.03	Cloudy.
*Punta Rassa, Fla	30.12	76	69	N.	1	0	0			Clear.
Quebec, Canada	29.80	34	100	N. W.	26	4-4			.15	Cloudy.
Rochester, N. Y	30.02	39	77	W.	4	1-4	0			Fair.
*San Diego, Cal	29.95	54	68	W.	24	0	2-4	W.		Fair.
San Francisco, Cal	29.99	46	48	N. W.	16	0	0			Clear.
*Santa Fé, N. Mex	29.56	50	0	S. E.	2	0	0			Clear.
Saugeen, Canada	30.08	30	100	Calm.	0	4-4				Cloudy.
Savannah Ga	30.17	60	88	Calm.	0	Hazy	0			Clear.
Shreveport, La	29.86	72	76	S.	6	0	0			Clear.
Saint Louis, Mo	29.63	65	44	S.	16	Hazy	Hazy			Fair.
Saint Paul, Minn	29.62	47	69	E.	12	0	4-4			Cloudy.
Toledo, Ohio	29.96	43	67	E.	12	4-4				Cloudy.
Toronto, Canada	30.10	75	73	N.	2	0	Hazy			Fair.
*Vicksburg, Miss	29.96	71	84	S. E.	12	0	0			Clear.
Virginia City, Mont	29.48	15	82	E.	2	2-4	2-4	W.		Cloudy.
Washington, D. C	30.05	63	47	Calm.	0	0	Hazy			Clear.
Wilmington, N. C	30.17	55	86	Calm.	0	0	0			Clear.
Yankton, D. T	29.29	53	83	E.	23	0	0			Clear.


WAR DEPARTMENT WEATHER MAP.
SIGNAL SERVICE, U.S. ARMY.
Division of Telegrams and Reports for the Benefit of Commerce and Agriculture
Washington, Thursday, April 3, 1873.—11 P. M.
All Observations made at the same moment of actual (not local) time.
LOW
HIGH
REFERENCES.
CLEAR
CLOUDY
SNOW
FAIR
RAIN
Note.
Isobarometric lines
Isothermal
PUBLISHED BY ORDER OF THE SECRETARY OF WAR.
Albert J. Myer
Portland
Salt Lake City
Denver
Santa Fe
San Diego
Fort Bidwell
Fort Garland
Fort Stanton
Fort Gibson
Little Rock
Waco
Galveston
Indianola
New Orleans
Mobile
Vicksburg
Memphis
Nashville
St. Louis
Cairo
Louisville
Indianapolis
Cincinnati
Pittsburg
Philadelphia
Washington
Baltimore
Norfolk
Wilmington
Charleston
Savannah
Augusta
Atlanta
Jacksonville
Fernandina
Lake City
St. Mark's
Key West
Havana
Cuba
St. Domingo
Quebec
Montreal
Portland
Duluth
Marquette
Escanaba
Mackinaw
Alpena
Milwaukee
Chicago
Green Bay
St. Paul
Dubuque
Davenport
Omaha
Cheyenne
Humboldt City
Fort Bridger
Fort Fetterman
Fort Buford
Fort Pembina
Fort Ripley
Fort Sully
Fort Totten
Fort Randall
Fort Sill
Fort Clark
Fort Brown
Fort Ringgold
Fort Duncan
Fort Bliss
Fort Lyon
Fort Sedgwick
Fort Hays
Fort Riley
Fort Leavenworth
Fort Dodge
Fort Omaha
Fort Niobrara
Fort Sidney
Fort Laramie
Fort Fred. Steele
Fort Bridger
Fort Ellis
Fort Benton
Fort Shaw
Fort Walla Walla
Fort Klamath
Fort Yuma
Fort Mohave
Fort Wingate
Fort Craig
Fort Cummings
Fort Stockton
Fort Clark
Fort Brown
Fort Ringgold
Fort Duncan
Fort Bliss
Fort Lyon
Fort Sedgwick
Fort Hays
Fort Riley
Fort Leavenworth
Fort Dodge
Fort Omaha
Fort Niobrara
Fort Sidney
Fort Laramie
Fort Fred. Steele
Fort Bridger
Fort Ellis
Fort Benton
Fort Shaw
Fort Walla Walla
Fort Klamath
Fort Yuma
Fort Mohave
Fort Wingate
Fort Craig
Fort Cummings
Fort Stockton

WASHINGTON, D. C.,
THURSDAY, *April* 3, 1873—11 *p. m.*

SYNOPSIS.

The storm-centre, that was Wednesday night in Montana, is now in Dakota and Nebraska, and the barometer has fallen especially in Iowa. Fresh and brisk southerly winds prevail from the Gulf States northward to Iowa, and southeasterly winds in the Ohio Valley. Clear weather is at present reported, with somewhat increasing humidity, over this entire region. Northeasterly winds, with cloudy weather, are reported from the Upper Lakes and Northwest, as far as heard from. Light winds and calms, with clear weather, prevail in the South Atlantic and Middle States. Northwest winds and clear or clearing weather, with rising barometer, over New York and New England.

PROBABILITIES.

The area of lowest barometer move during Friday eastward over Iowa and Missouri. For the Gulf States, increasing southerly winds, with cloudy weather, and possibly rain along the coast. For the South and Middle Atlantic States, falling barometer, southeasterly winds, and rising temperature, followed by Friday evening by cloudy or threatening weather. For New England, rising barometer, clear weather, and light winds. For the Lake region in general, falling barometer, northeasterly winds, cloudy and threatening weather. For the Upper Lakes, winds increase to brisk, with rain, by Friday afternoon.

Cautionary signals continue at Duluth, Milwaukee, Chicago, and Grand Haven, and are ordered for Detroit, Toledo, and Cleveland.

FACTS—7.35 A. M., (*following the above "Probabilities."*)

WIND AND WEATHER.

(1.) *Clear.*—At Augusta, Lynchburg, and Wilmington, calm; Lake City, wind S., light; Portland, Me., wind W., gentle; New Orleans, wind SE., gentle; Stanley, wind NE., gentle; Cleveland and Key West, wind W., fresh; Omaha, wind SW., fresh; San Francisco, wind NW., fresh; Detroit, wind S., brisk; Toledo, wind NE., brisk.

(2.) *Fair.*—At Charleston and Savannah, calm; Jacksonville and Pittsburgh, wind E., light; Knoxville, wind SE., light; Kingston, wind NE., light; Indianapolis, wind SE., gentle; Dover, wind NE., gentle; Eastport, wind NW., gentle; Punta Rassa, wind E., gentle; Norfolk, wind S., gentle; Baltimore and Cape May, wind NE., fresh; Corinne and Portland, Me., wind NW., fresh; Keokuk, Indianapolis, and Nashville, wind S., fresh; Galveston and Memphis, wind SE., fresh; Chicago and Milwaukee, wind E., fresh; Montreal, wind W., fresh; Saint Louis, wind S., brisk; Grand Haven, wind E., high.

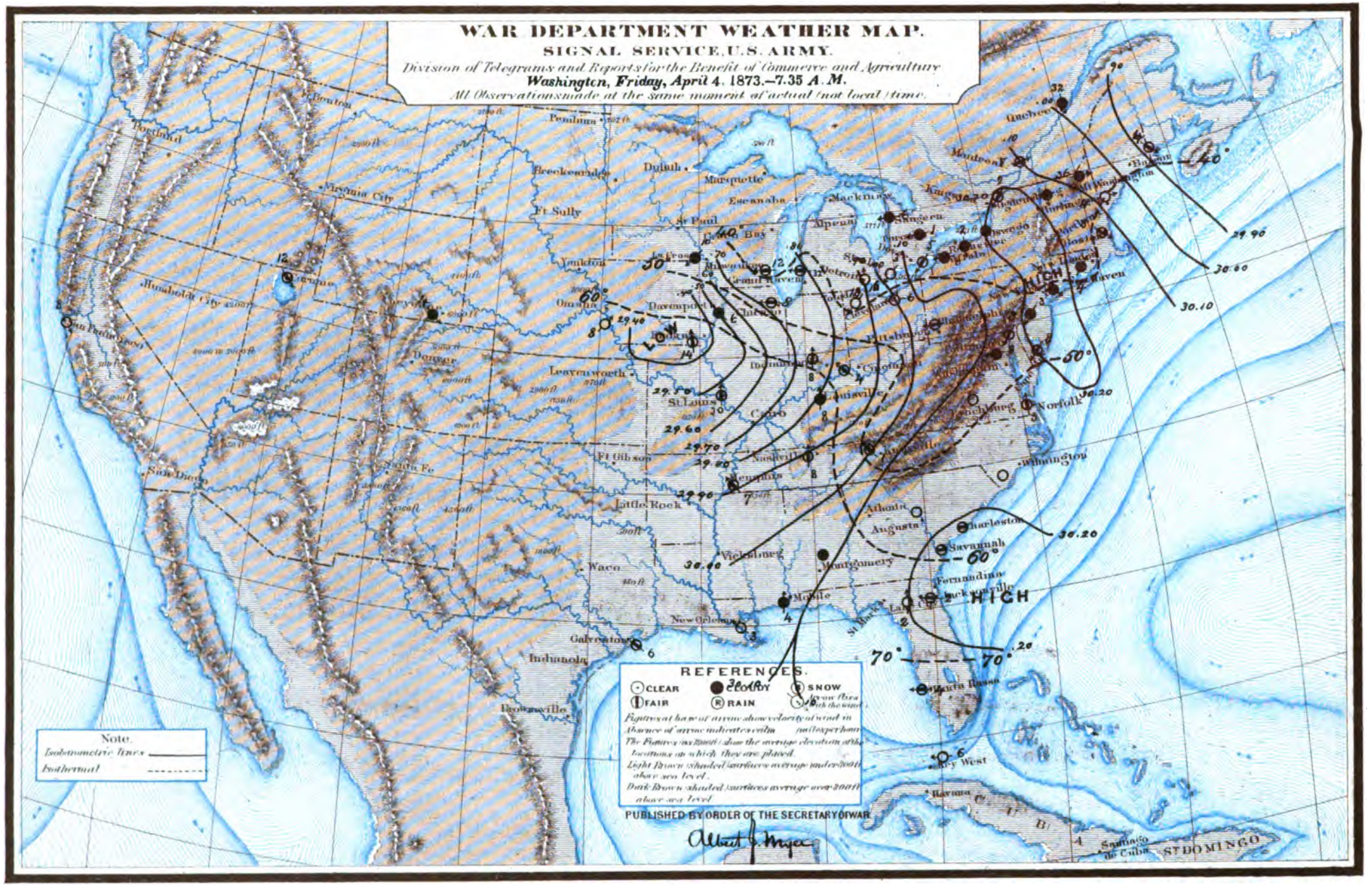
(3.) *Cloudy.*—At Montgomery and Oswego, calm; Toronto, wind E., light; Rochester, wind N., light; New London, wind NW., light; Boston, wind SW., gentle; Burlington, wind N., gentle; Cheyenne, wind NW., gentle; Mobile, wind S., gentle; Philadelphia, wind NE., gentle; Buffalo, Saugeen, and Washington, wind E., fresh; Cincinnati, wind S., fresh; Davenport, wind SE., fresh; La Crosse, wind NE., fresh; Quebec, wind N., high.

GENERAL REMARKS AS TO VERIFICATIONS.

The above "Probabilities" were generally verified, except "for the Gulf States, possibly rain along the coast," "for the South Atlantic States, falling barometer, followed by Friday evening by cloudy or threatening weather," "for the Upper Lakes, rain by Friday afternoon," and "cautionary signals for Detroit, Toledo, and Cleveland," not verified.

METEOROLOGICAL RECORD, APRIL 4, 1873—7.35 A. M.

Place of observation.	Barometer.	Thermometer.	Relative humidity, per cent.	Wind.		Clouds.			Rain-fall in last 8 hours.	State of the weather.
				Direction.	Velocity.	Amount of lower.	Amount of upper.	Direction of upper.		
*Alpena, Mich	30.10	35	80	E.	7	4-4			.05	Light rain.
Augusta, Ga	30.22	55	74	Calm.	0	Smoky	0			Clear.
Baltimore, Md	30.21	49	54	N. E.	8	Smoky	2-4	N.		Fair.
Boston, Mass	30.10	44	45	N. W.	8	Hazy	1-4	S. W.		Fair.
*Breckenridge, Minn	29.68	34	80	E.	7	0	3-4	S.		Cloudy.
Buffalo, N. Y	30.12	35	80	E.	8	4-4				Cloudy.
Burlington, Vt	30.14	35	52	N.	5	2-4	3-4	W.		Cloudy.
*Cairo, Ill	29.83	65	78	S.	8	Haze	2-4	S. W.		Fair.
Cape May, N. J	30.20	46	69	N. E.	8	Fog	2-4	N. W.		Fair.
Charleston, S. C	30.21	57	94	Calm.	0	Fog				Foggy.
Cheyenne, Wyo	29.63	28	88	N. W.	4	4-4				Cloudy.
Chicago, Ill	29.74	46	69	E.	8	Smoky	2-4	W.		Fair.
Cincinnati, Ohio	29.92	56	63	S. E.	4	Smoky	2-4	W.		Fair.
Cleveland, Ohio	30.05	44	88	E.	6	0	0			Clear.
Corinne, Utah	29.68	28	66	N. W.	12	2-4	Hazy			Fair.
Davenport, Iowa	29.61	55	74	S. E.	6	4-4				Cloudy.
*Denver, Colo	29.71	32	50	Calm.	0	0	1-4	S. W.		Fair.
Detroit, Mich	30.02	37	81	S.	16	0	0			Clear.
*Duluth, Minn	29.83	39	72	N. E.	20	2-4	2-4	N. E.		Cloudy.
Eastport, Me	29.89	39	73	N. W.	4	Fog	2-4	N. W.		Fair.
*Escanaba, Mich	30.00	39	73	N. E.	8	4-4				Cloudy.
*Fort Benton, Mont	29.90	26	88	N.	2	4-4			.03	Cloudy.
*Fort Garry, Manitoba	29.67	35	84	E.	13	4-4				Cloudy.
*Fort Gibson, Ind. T	29.79	72	75	S. E.	22	2-4	2-4	S. E.		Cloudy.
*Fort Sully, Dak	29.71	43	87	N. W.	18	4-4				Cloudy.
Galveston, Tex	29.96	70	90	E.	6	0	2-4	N. W.		Fair.
Grand Haven, Mich	29.85	42	49	E.	32	Hazy	0			Fair.
Indianapolis, Ind	29.83	56	58	S.	8	Fog	1-4	W.		Fair.
*Indianola, Tex	29.92	72	92	S. E.	14	4-4				Cloudy.
Jacksonville, Fla	30.20	67	74	E.	2	Hazy	Hazy			Fair.
Keokuk, Iowa	30.45	66	68	S.	14	0	2-4	W.		Fair.
Key West, Fla	30.12	78	72	E.	6	0	0			Clear.
Kingston, Canada	30.26	34	84	N. E.	2	0	1-4			Fair.
Knoxville, Tenn	30.13	49	79	E.	1	Hazy	1-4			Fair.
La Crosse, Wis	29.71	42	74	N. E.	10	2-4	2-4	S. E.		Cloudy.
Lake City, Fla	30.18	66	68	S.	3	0	0			Clear.
*Leavenworth, Kans	29.43	67	79	S.	18	0	3-4	N. W.		Fair.
Louisville, Ky	29.87	66	59	S.	8	2-4	1-4	S. W.		Cloudy.
Lynchburg, Va	30.15	49	74	Calm.	0	0	2-4			Clear.
*Marquette, Mich	30.02	35	80	Calm.	0	0	3-4			Fair.
Memphis, Tenn	29.96	68	84	S. E.	7	2-4	1-4			Fair.
Milwaukee, Wis	29.14	58	86	E.	12	Hazy	3-4	S. W.		Fair.
Mobile, Ala	30.06	68	94	S.	4	2-4	2-4			Cloudy.
Montgomery, Ala	30.16	64	94	Calm.	0	4-4				Cloudy.
Montreal, Canada	30.05	33	75	W.	7	0	2-4			Fair.
Mount Washington, N. H	29.84	16	83	W.	36	4-4	1-4			Cloudy.
Nashville, Tenn	29.78	67	69	S.	8	Hazy	2-4	W.		Fair.
New London, Conn	30.18	39	73	S. W.	4	3-4				Cloudy.
New Orleans, La	30.08	69	90	S. E.	3	Fog				Clear.
New York, N. Y	30.17	44	60	N. W.	2	4-4	0			Cloudy.
Norfolk, Va	30.16	59	58	S.	3	0		N. W.		Fair.
Omaha, Nebr	29.33	62	77	S. W.	8	Hazy	2-4			Clear.
Oswego, N. Y	30.20	37	75	Calm.	0	4-4	0			Cloudy.
*Pembina, Dak	29.69	36	90	S. E.	2	4-4				Cloudy.
Philadelphia, Pa	30.22	43	75	N. E.	3	2-4	2-4			Cloudy.
Pittsburgh, Pa	30.06	45	68	E.	1	Smoky	1-4			Fair.
Port Dover, Canada	30.16	35	70	N. E.	5	0	2-4	W.		Fair.
Port Stanley, Canada	30.11	37	75	N. E.	3	0	1-4	N. W.		Clear.
Portland, Me	30.00	40	47	W.	4	0	0			Clear.
*Portland, Oreg	30.05	38	83	S. E.	4	4-4				Cloudy.
Punta Rassa, Fla	30.18	73	85	E.	4	0	2-4			Fair.
Quebec, Canada	30.00	33	100	N.	33	4-4				Cloudy.
Rochester, N. Y	30.18	37	71	N.	2	Smoky	4-4	N. W.		Cloudy.
*San Diego, Cal	30.00	51	64	N. W.	19	0	3-4	W.		Fair.
San Francisco, Cal	29.09	43	57	N. W.	8	0	0			Clear.
*Santa Fé, N. Mex	29.53	47	15	S.	14	0	1-4	S. W.		Fair.
Saugeen, Canada	30.15	34	62	E.	6	1-4	3-4	N.		Cloudy.
Savannah, Ga	30.22	60	88	Calm.	0	Smoky	0			Fair.
*Shreveport, La	29.94	70	75	S. E.	8	4-4				Cloudy.
Saint Louis, Mo	29.66	66	78	S.	20	Hazy	2-4	S. W.		Fair.
*Saint Paul, Minn	29.63	42	65	E.	16	0	2-4	S. E.		Fair.
Toledo, Ohio	29.97	39	81	N. E.	18	0	Hazy			Clear.
Toronto, Canada	30.18	35	75	E.	1	1-4	3-4	W.		Cloudy.
*Vicksburg, Miss	30.06	69	90	S.	6	0	3-4	S.		Cloudy.
Virginia City, Mont										
Washington, D. C	30.19	48	63	E.	8	1-4	3-4	N.		Cloudy.
Wilmington, N. C	30.17	56	93	Calm.	0	0	0			Clear.
*Yankton, Dak	29.31	41	93	N.	8	4-4				Cloudy.


WAR DEPARTMENT WEATHER MAP.
SIGNAL SERVICE, U.S. ARMY.
Division of Telegrams and Reports for the Benefit of Commerce and Agriculture
Washington, Friday, April 4, 1873.—7.35 A.M.
All Observations made at the same moment of actual (not local) time.
REFERENCES.
CLEAR
CLOUDY
SNOW
FAIR
RAIN
Figures at base of arrow show velocity of wind in miles per hour
Absence of arrow indicates calm
The Figures (as 2000ft) show the average elevation of the locations in which they are placed.
Light Brown shaded surfaces average under 500ft above sea level.
Dark Brown shaded surfaces average over 2000ft above sea level.
PUBLISHED BY ORDER OF THE SECRETARY OF WAR.
Note.
Isobarometric lines
Isothermal
HIGH
HIGH
Portland
Virginia City
Humboldt City
San Francisco
San Diego
Denver
Santa Fe
Leavenworth
St. Louis
Ft. Gibson
Little Rock
Waco
Galveston
Indianola
Brownsville
New Orleans
Mobile
Vicksburg
Memphis
Nashville
Louisville
Cairo
Indianapolis
Cincinnati
Pittsburg
Detroit
Chicago
Milwaukee
Davenport
Omaha
Yankton
St. Paul
Duluth
Marquette
Escanaba
Mackinaw
Alpena
Breckenridge
Ft. Sully
Pembina
Ft. Benton
Quebec
Montreal
Augusta
Portland
Boston
Hartford
New Haven
Albany
Oswego
Buffalo
Norfolk
Wilmington
Charleston
Savannah
Atlanta
Augusta
Montgomery
Fernandina
Jacksonville
Key West
Havana
Santiago de Cuba
ST. DOMINGO
Vera Cruz
29.40
29.50
29.60
29.70
29.80
29.90
30.00
30.10
30.20
30.60
50°
60°
70°

WASHINGTON, D. C.,
FRIDAY, *April* 4, 1873—7.35 *a. m.*

SYNOPSIS.

The storm-centre, that was Thursday morning in Southern Dakota, is now central in Iowa, having diminished somewhat in extent. The pressure has risen over the Atlantic States, and is now high in Georgia and also in Eastern Pennsylvania. The temperature has risen during the night throughout the country, from the Southwest northward to Wisconsin. Fresh southeast winds are reported from the Western Gulf States, and fresh southerly to high easterly winds from Michigan and Illinois. Northerly winds and partly cloudy weather prevail in the Middle and Eastern States.

PROBABILITIES.

The area of lowest barometer move during the rest of Friday eastward over Illinois, extending somewhat rapidly toward the Lower Lakes and Lake Huron. For the Gulf States, increasing southerly winds and cloudy weather, with rain on the coast. For the South Atlantic States, southeasterly winds and hazy weather, followed by cloud and possibly rain Friday evening. For Middle Atlantic States, easterly winds and cloudy weather, with a decided fall of the barometer. For New England, light winds and partly cloudy weather, except in Northern Maine, where fresh northerly winds will probably continue. For the Lower Lakes and Lake Huron, increasing northeast winds, falling barometer, and threatening or rainy weather. For Lake Superior and Northern Lake Michigan, northeast and northerly winds, increasing to brisk and possibly high, with cloud and rain. For the Northwest and Upper Missouri Valley, and thence to Kansas, fresh to high, cold, northwest winds, extending over Missouri and Iowa by Friday night. For Illinois and Kentucky, increasing southerly winds, with threatening weather. The morning reports are missing from the Northwest and most stations west of the Mississippi Valley.

Cautionary signals continue at Duluth, Milwaukee, Chicago, Grand Haven, Detroit, Toledo, and Cleveland.

FACTS—4.35 P. M., (*following the above "Probabilities."*)

WIND AND WEATHER.

(1.) *Clear.*—At Burlington and Montreal, wind N., gentle; Portland, Me., wind NW., gentle; Stanley, wind E., gentle; Charleston, Nashville, and Savannah, wind S., fresh; Cleveland and Cape May, wind NE., fresh; Keokuk, wind SW., fresh; Santa Fé, wind SW., brisk; Louisville and Shreveport, wind S., brisk.

(2.) *Fair.*—At Kingston, calm; Baltimore, wind NE., gentle; Lake City and Omaha, wind W., gentle; Key West, wind E., gentle; Oswego, wind NE., gentle; Boston, Eastport, and New London, wind NW., fresh; Augusta, Cincinnati, Indianapolis, Mobile, Vicksburg, and New York, wind S., fresh; Buffalo, Jacksonville, Washington, Pembina, Saint Paul, and Saugeen, wind E., fresh; Corinne, wind N., fresh; Norfolk and Lynchburg, wind SW., fresh; Punta Rassa, wind W., fresh; New Orleans, wind SE., fresh; Denver, wind NE., fresh; Chicago and Detroit, wind SE., brisk; Cairo, Memphis, and Saint Louis, wind S., brisk; Knoxville and San Francisco, wind W., brisk; Davenport, wind SW., brisk; Indianola, wind SE., brisk; Toledo, wind E., brisk.

(3.) *Cloudy.*—At San Diego, calm; Grand Haven and Pittsburgh, wind E., light; Breckenridge, wind NW., gentle; Portland, Oreg., wind W., gentle; Montgomery, wind S., gentle; Cheyenne, wind N., fresh; Alpena, Philadelphia, and Toronto, wind E., fresh; Fort Gibson and Galveston, wind SE., fresh; Duluth, Escanaba, and Yankton, wind NE., brisk; Leavenworth, wind S., brisk; Milwaukee and Marquette, wind SE., brisk.

(4.) *Rainy.*—At Fort Sully, wind W., gentle.

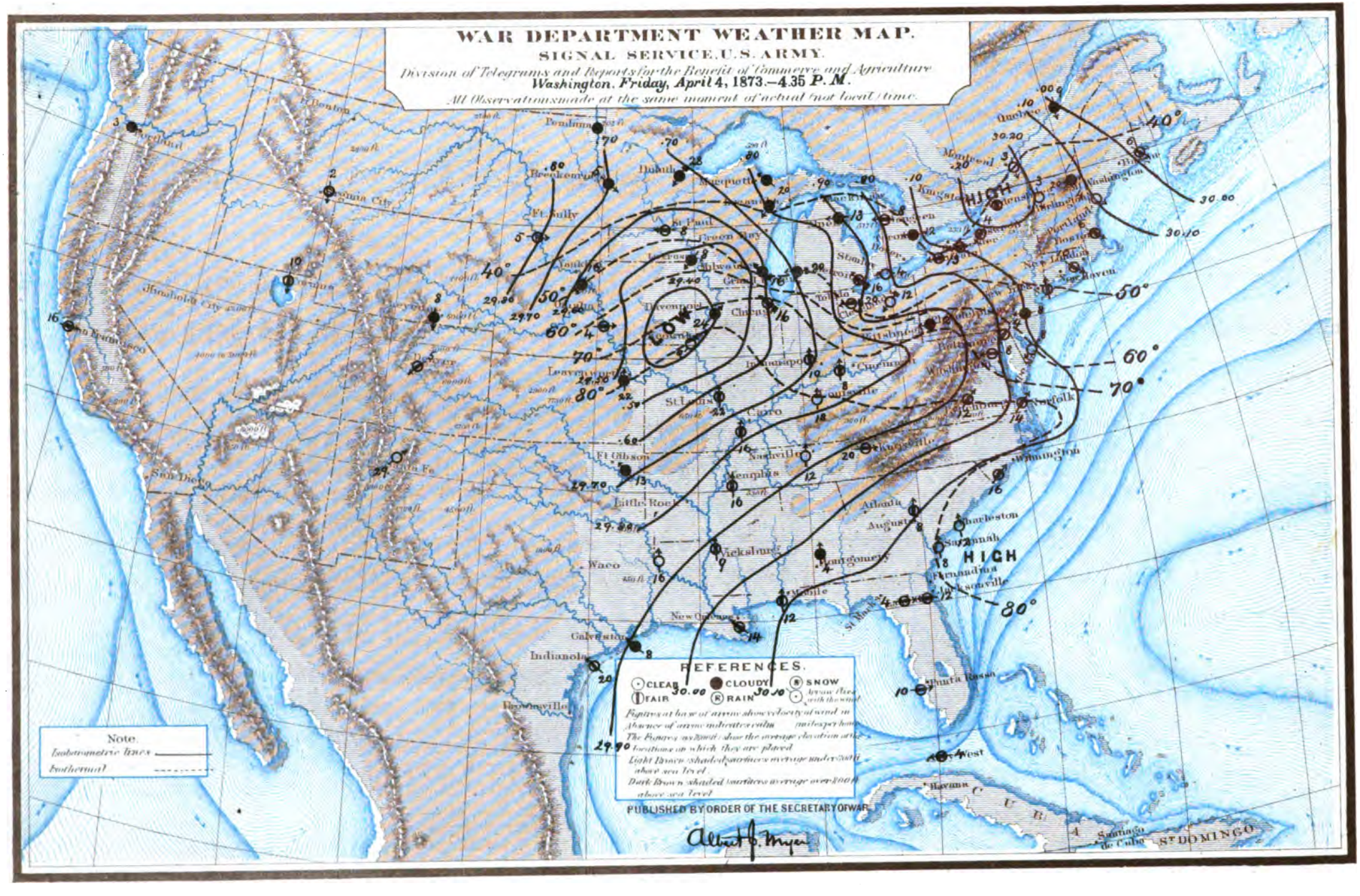
(5.) *Snowy.*—At Virginia City, wind N., light.

GENERAL REMARKS AS TO VERIFICATIONS.

The above "Probabilities" were generally verified, except "high, cold, northwest winds extending over Missouri and Iowa by Friday night," and "for Illinois and Kentucky, threatening weather," partly verified; "the area of lowest barometer move during the rest of Friday eastward over Illinois;" "for the Gulf States, rain on the coast;" "for the South Atlantic States, cloud and possibly rain Friday evening;" "for Middle States, a decided fall in the barometer," and "cautionary signals for Detroit, Toledo, and Cleveland," not verified.

METEOROLOGICAL RECORD, APRIL 4, 1873—4.35 P. M.

Place of observation.	Barometer.	Thermometer.	Relative humidity, per cent.	Wind.		Clouds.			Rain-fall in last 8 hours.	State of the weather.
				Direction.	Velocity.	Amount of lower.	Amount of upper.	Direction of upper.		
Alpena, Mich	30.05	39	64	E.	13	0	4-4	E.	.....	Cloudy.
Augusta, Ga	30.11	84	22	S.	8	0	2-4	W.	.....	Fair.
Baltimore, Md	30.10	61	39	N. E.	4	Hazy..	1-4	W.	.....	Fair.
Boston, Mass	30.12	52	29	N. W.	6	Hazy..	1-4	N. W.	.....	Fair.
Breckenridge, Minn	29.69	38	81	N. W.	5	4-4	.....	.....	.....	Cloudy.
Buffalo, N. Y	30.02	48	56	E.	13	Hazy..	1-4	E.	.....	Fair.
Burlington, Vt	30.17	41	48	N.	3	0	0	.....	.....	Clear.
Cairo, Ill	29.81	81	45	S.	16	0	2-4	.....	.....	Fair.
Cape May, N. J	30.14	50	64	N. E.	8	0	0	.....	.....	Clear.
Charleston, S. C	30.15	74	59	S.	12	0	1-4	.....	.....	Clear.
Cheyenne, Wyo	29.58	35	70	N.	8	4-4	.....	.....	.....	Cloudy.
Chicago, Ill	29.65	77	42	S. E.	16	Smoky	2-4	W.	.....	Fair.
Cincinnati, Ohio	29.82	78	57	S.	8	Smoky	2-4	S.	.....	Fair.
Cleveland, Ohio	29.92	47	77	N. E.	12	Hazy..	1-4	E.	.....	Clear.
Corinne, Utah	29.73	41	20	N.	10	1-4	1-4	N. W.	.....	Fair.
Davenport, Iowa	29.51	80	54	S. W.	24	Hazy..	Hazy..	S. W.	.....	Fair.
Denver, Colo	29.56	53	48	N. E.	5	0	1-4	S. W.	.....	Fair.
Detroit, Mich	29.88	48	56	S. E.	16	1-4	1-4	W.	.....	Fair.
Duluth, Minn	29.69	39	72	N. E.	28	4-4	.....	.....	.....	Threatening.
Eastport, Me	29.95	47	48	N. W.	6	0	2-4	N. W.	.....	Fair.
Escanaba, Mich	29.84	40	73	N. E.	20	4-4	.....	.....	.....	Cloudy.
*Fort Benton, Mont	29.98	31	79	W.	5	2-4	2-4	W.	.....	Threatening.
Fort Garry, Manitoba	29.78	38	81	S. E.	10	4-4	.....	.....	.....	Cloudy.
Fort Gibson, Ind. T	29.72	80	56	S. E.	13	2-4	2-4	S. E.	.....	Cloudy.
Fort Sully, Dak	29.81	36	90	W.	5	4-4	.....	.....	.....	Light rain.
Galveston, Tex	29.93	76	81	S. E.	8	4-4	.....	.....	.....	Cloudy.
Grand Haven, Mich	29.74	55	51	E.	20	4-4	.....	.....	.16	Threatening.
Indianapolis, Ind	29.71	78	60	S.	10	Smoky	2-4	W.	.....	Fair.
Indianola, Tex	29.87	79	74	S. E.	20	1-4	1-4	W.	.....	Fair.
Jacksonville, Fla	30.15	81	52	E.	12	0	2-4	.....	.....	Fair.
Keokuk, Iowa	29.76	82	45	S. W.	9	0	1-4	W.	.....	Clear.
Key West, Fla	30.12	82	67	E.	4	0	1-4	E.	.....	Fair.
Kingston, Canada	30.25	42	91	Calm.	0	0	1-4	.....	.....	Fair.
Knoxville, Tenn	29.94	83	23	W.	20	Hazy..	1-4	.....	.....	Fair.
La Crosse, Wis	29.47	61	21	N. E.	8	Smoky	4-4	S. E.	.....	Cloudy.
Lake City, Fla	30.12	87	37	W.	4	0	2-4	.....	.....	Fair.
Leavenworth, Kans	29.44	85	44	S.	22	1-4	3-4	N. W.	.....	Cloudy.
Louisville, Ky	29.79	82	50	S.	18	Smoky	0	.....	.....	Clear.
Lynchburg, Va	29.94	81	24	S. W.	12	0	2-4	S. W.	.....	Fair.
Marquette, Mich	29.85	40	64	S. E.	24	4-4	.....	.....	.....	Cloudy.
Memphis, Tenn	29.90	89	35	S.	16	0	Hazy..	.....	.....	Fair.
Milwaukee, Wis	29.62	46	69	S. E.	16	3-4	1-4	S. W.	.....	Cloudy.
Mobile, Ala	30.12	79	86	S.	12	0	1-4	S. W.	.....	Fair.
Montgomery, Ala	30.07	83	46	S.	4	0	3-4	S.	.....	Cloudy.
Montreal, Canada	30.16	46	69	N.	3	0	0	.....	.....	Clear.
Mount Washington, N. H	29.94	19	84	W.	20	4-4	.....	.....	.....	Cloudy.
Nashville, Tenn	29.90	83	43	S.	12	0	1-4	W.	.....	Clear.
New London, Conn	30.18	47	48	N. W.	10	0	2-4	N. W.	.....	Fair.
New Orleans, La	30.06	80	65	S. E.	14	1-4	1-4	S.	.....	Fair.
New York, N. Y	30.14	52	53	S.	6	Smoky	2-4	S. W.	.....	Fair.
Norfolk, Va	30.03	81	27	S. W.	14	0	1-4	.....	.....	Fair.
Omaha, Nebr	29.52	65	49	W.	4	2-4	1-4	W.	.....	Fair.
Oswego, N. Y	30.19	42	48	N. E.	4	Hazy..	1-4	N. W.	.....	Fair.
Pembina, Dak	30.15	42	66	E.	12	1-4	0	.....	.....	Fair.
Philadelphia, Pa	30.17	53	42	E.	8	1-4	3-4	N. W.	.....	Cloudy.
Pittsburgh, Pa	29.89	71	45	E.	2	Smoky	4-4	.....	.....	Cloudy.
*Port Dover, Canada	30.07	45	61	N.	15	0	2-4	N. W.	.....	Fair.
Port Stanley, Canada	30.02	42	55	E.	4	0	4-4	.....	.....	Clear.
Portland, Me	30.06	50	82	N. W.	4	0	1-4	.....	.....	Clear.
Portland, Oreg	30.15	49	64	W.	13	2-4	0	.....	.....	Cloudy.
Punta Rassa, Fla	30.13	81	62	W.	10	0	2-4	E.	.....	Fair.
Quebec, Canada	30.12	33	40	N.	9	4-4	.....	.....	.....	Cloudy.
*Rochester, N. Y	30.15	42	66	E.	12	1-4	0	.....	.....	Fair.
San Diego, Cal	29.65	41	82	Calm.	0	4-4	.....	.....	.....	Cloudy.
San Francisco, Cal	30.01	48	56	W.	16	0	2-4	W.	.....	Fair.
Santa Fé, N. Mex	29.70	61	0	S. W.	29	0	0	.....	.....	Clear.
Saugeen, Canada	30.02	48	32	E.	8	1-4	2-4	N. W.	.....	Fair.
Savannah, Ga	30.15	78	46	S.	8	Hazy..	1-4	W.	.....	Clear.
Shreveport, La	29.86	86	39	S.	16	Hazy..	0	.....	.....	Clear.
Saint Louis, Mo	29.65	83	42	S.	22	Hazy..	2-4	E.	.....	Fair.
Saint Paul, Minn	29.54	50	64	E.	8	0	2-4	S. E.	.....	Fair
Toledo, Ohio	29.91	41	74	E.	20	0	2-4	.....	.....	Fair.
Toronto, Canada	30.16	37	61	E.	12	Hazy..	3-4	W.	.....	Cloudy.
Vicksburg, Miss	29.98	88	41	S.	9	0	2-4	S.	.....	Fair.
Virginia City, Mont	29.52	23	87	N.	2	4-4	.....	.....	.....	Light snow
Washington, D. C	30.06	61	42	E.	8	1-4	1-4	W.	.....	Fair.
Wilmington, N. C	30.14	75	43	S. W.	16	Hazy.	2-4	N. W.	.....	Fair.
Yankton, Dak	29.52	51	80	N. E.	16	4-4	.....	.....	.....	Cloudy.


WAR DEPARTMENT WEATHER MAP.
SIGNAL SERVICE, U.S. ARMY.
Division of Telegrams and Reports for the Benefit of Commerce and Agriculture
Washington, Friday, April 4, 1873.—4.35 P.M.
All Observations made at the same moment of actual (not local) time.
HIGH
HIGH
REFERENCES.
CLEAR
CLOUDY
SNOW
FAIR
RAIN
Note.
Barometric lines
Isothermal
PUBLISHED BY ORDER OF THE SECRETARY OF WAR
Albert J. Myer

WASHINGTON, D. C.,
FRIDAY, *April* 4, 1873—4.35 *p. m.*

SYNOPSIS.

A storm-centre, that was Thursday afternoon in Nebraska, has moved with extreme slowness into Iowa, and the barometric depression has decidedly diminished. The attending winds are also in general weaker than on Thursday, and the humidity has increased but little, if any. The barometer has risen throughout the Atlantic States, but has begun to fall in the Southern and Middle States; it is highest in New York. Rising barometer and northwest winds are reported from New England. Northeast winds, with cloudy or hazy weather, in the Middle States and on Lower Lakes; southwest winds and partly cloudy weather in the South Atlantic States, with higher temperature than on Thursday. South and southeast winds are reported from the Gulf States, with cloudy weather on the Western Gulf coast, and decidedly higher temperature over the interior and northward to the Lakes. Fresh and brisk northeast winds, cloudy and threatening weather, prevail on the Upper Lakes. The rivers have risen at Memphis and Cairo, and fallen at Nashville, Cincinnati, Keokuk, and Saint Paul.

PROBABILITIES.

The low barometer in Iowa move more rapidly eastward toward the Lower Lakes, and extend especially toward the Middle Atlantic coast, where a special depression is apparently about to form during Saturday. For the Lake region, on Saturday, northeast and easterly winds, with increasing cloudiness and possibly light rain. Winds back to northwest, with falling temperature, over Lake Superior and the Missouri Valley. For the Southwest, increasing southeasterly winds, veering to southwest, with threatening weather. For the Eastern Gulf and South Atlantic States, increasing southeasterly winds and cloudy weather. For the Middle States and Southern New England, northeast winds, cloudy and threatening weather. Cautionary signals continue at Duluth, Milwaukee, Chicago, Grand Haven, Detroit, Toledo, and Cleveland.

FACTS—11 P. M., (*following the above "Probabilities."*)

WIND AND WEATHER.

(1.) *Clear.*—At Augusta, Burlington, Pembina, and Quebec, calm; Boston, wind N., light; Corinne, wind NE., light; Montreal, wind N., light; Wilmington, wind SW., light; Lynchburg and Toledo, wind E., gentle; Portland, Me., wind NW., gentle; Montgomery, Santa Fé, and Nashville, wind S., gentle; Charleston, wind SW., fresh; San Francisco, wind NW., fresh; Cairo, Shreveport, and Savannah, wind S., fresh; Louisville and Memphis, wind SE., fresh; New York, wind NE., brisk.

(2.) *Fair.*—At Portland, Oreg., wind NW., light; Davenport, wind SW., light; Indianapolis, wind S., gentle; New London, wind NW., gentle; Washington, wind NE., gentle; Cincinnati, wind S., fresh; Duluth, wind NE., fresh; Galveston, wind SE., fresh; Rochester, wind E., fresh; Leavenworth, Chicago, Omaha, and Saint Louis, wind S., brisk.

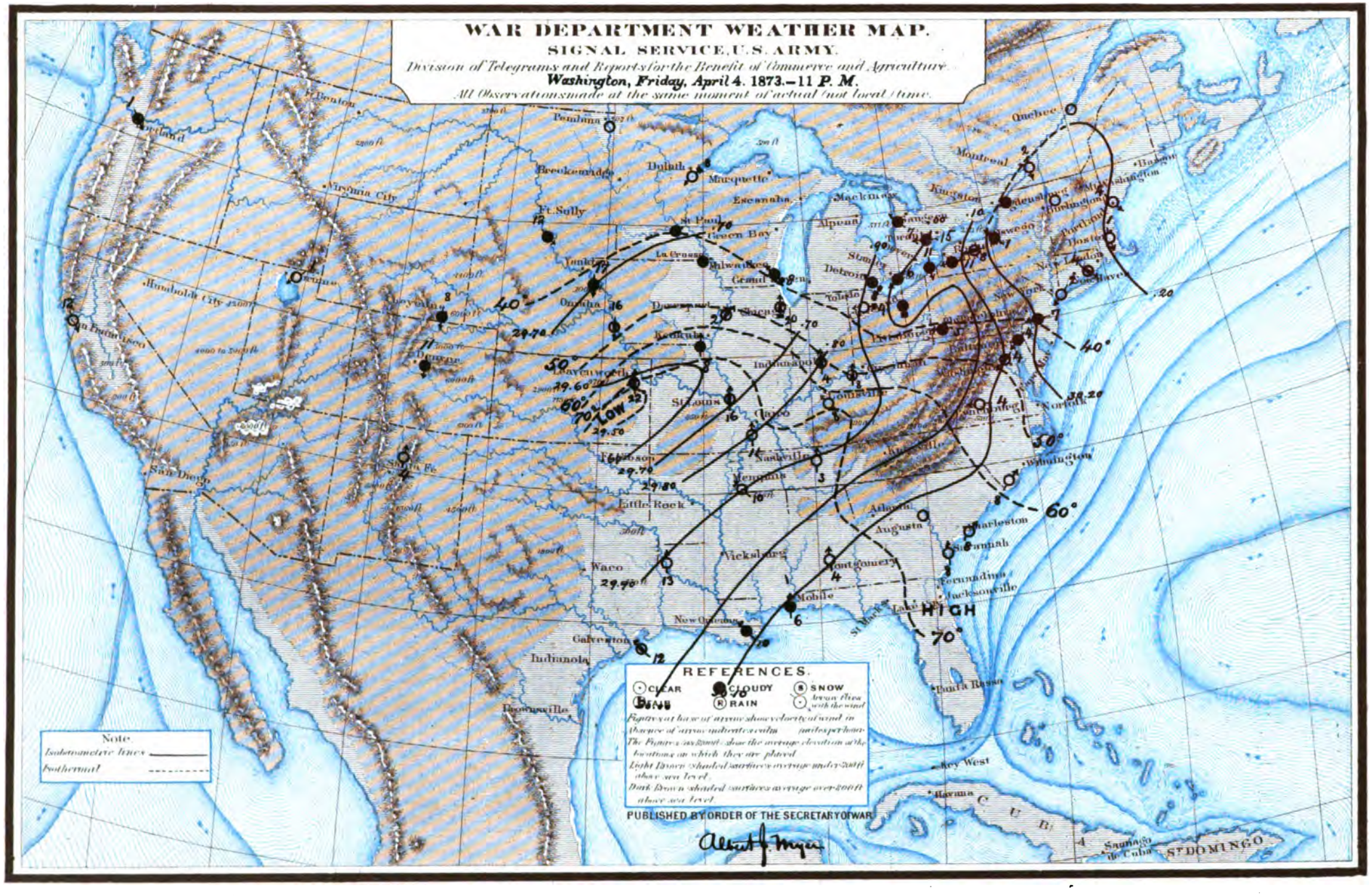
(3.) *Cloudy.*—At Cleveland, Kingston, La Crosse, and Saint Paul, calm; Oswego, wind SE., light; Pittsburgh, wind E., gentle; Baltimore, wind NE., gentle; Philadelphia, wind E., fresh; Cheyenne, Denver, Dover, and Yankton, wind N., fresh; Fort Sully, wind NW., fresh; Keokuk and Mobile, wind S., fresh; Detroit, New Orleans, Saugeen, and Milwaukee, wind SE., fresh; Stanley, wind NE., fresh; Buffalo and Toronto, wind E., brisk.

GENERAL REMARKS AS TO VERIFICATIONS.

The above "Probabilities" were generally verified, except "for the Lake region on Saturday, northeast and easterly winds and possibly light rain," partly verified; "winds back to northwest, with falling temperature, over Lake Superior;" "for the Southwest, winds veering to southwest;" and "for the Eastern Gulf and South Atlantic States, increasing southeasterly winds and cloudy weather," not verified.

METEOROLOGICAL RECORD, APRIL 4, 1873—11 P. M.

Place of observation.	Barometer.	Thermometer.	Relative humidity, per cent.	Wind.		Clouds.			Rain-fall in last 8 hours.	State of the weather.
				Direction.	Velocity.	Amount of lower.	Amount of upper.	Direction of upper.		
*Alpena, Mich	29.97	37	81	E.	8	4-4	.....	.....	.....	Threatening.
Augusta, Ga	30.19	70	66	Calm.	0	0	0	.....	.....	Clear.
Baltimore, Md	30.16	53	51	N. E.	4	0	4-4	N. W.	.....	Cloudy.
Boston, Mass	30.23	41	58	N.	1	0	0	.....	.....	Clear.
*Breckenridge, Minn	29.76	34	81	N.	15	4-4	.....	.....	.....	Cloudy.
Buffalo, N. Y	29.94	39	86	E.	16	0	4-4	W.	.....	Cloudy.
Burlington, Vt	30.26	32	79	Calm.	0	0	0	.....	.....	Clear.
Cairo, Ill	29.85	75	56	S.	11	0	0	.....	.....	Clear.
*Cape May, N. J	30.18	44	84	E.	10	0	2-4	N. W.	.....	Fair.
Charleston, S. C	30.19	67	79	S. W.	8	0	1-4	.....	.....	Clear.
Cheyenne, Wyo	29.73	26	88	N.	8	4-4	.....	.....	.....	Threatening.
Chicago, Ill	29.70	69	70	S.	20	0	1-4	.....	.....	Fair.
Cincinnati, Ohio	29.89	73	59	S.	8	Smoky	2-4	.....	.....	Fair.
Cleveland, Ohio	29.94	44	84	Calm.	0	4-4	.....	.....	.....	Cloudy.
Corinne, Utah	29.82	33	42	N. E.	1	0	0	.....	.....	Clear.
Davenport, Iowa	29.62	68	74	S. W.	2	Hazy..	Hazy..	.....	.....	Fair.
Denver, Colo	29.75	35	70	N.	11	4-4	.....	.....	.....	Cloudy.
Detroit, Mich	29.91	42	74	S. E.	8	0	4-4	W.	.....	Cloudy.
Duluth, Minn	29.75	39	73	N. E.	8	4-4	.....	.....	.....	Cloudy.
*Eastport, Me	30.09	38	72	N. W.	6	0	2-4	N. W.	.....	Fair.
*Escanaba, Mich	29.76	38	72	E.	20	4-4	.....	.....	.....	Cloudy.
*Fort Benton, Mont	30.06	28	77	S. W.	10	0	4-4	S. W.	.....	Cloudy.
Fort Garry, Manitoba	29.68	35	99	S. E.	11	4-4	.....	.....	.01	Light rain.
*Fort Gibson, Ind. T	29.80	76	64	S. E.	7	2-4	1-4	S. W.	.....	Fair.
Fort Sully, Dak	29.89	36	85	N. W.	12	4-4	.....	.....	.....	Cloudy.
Galveston, Tex	29.99	71	90	S. E.	12	Fog...	0	.....	.....	Fair.
*Grand Haven, Mich	29.75	49	57	E.	12	4-4	.....	.....	.....	Cloudy.
Indianapolis, Ind	29.87	68	74	S.	4	0	1-4	W.	.....	Fair.
*Indianola, Tex	29.95	72	92	S. E.	16	1-4	0	.....	.....	Fair.
*Jacksonville, Fla	30.21	70	85	S. E.	4	0	1-4	.....	.....	Fair.
Keokuk, Iowa	29.61	74	59	S.	8	0	4-4	S. W.	.....	Cloudy.
*Key West, Fla	30.15	78	65	E.	15	0	0	.....	.....	Clear.
Kingston, Canada	30.36	36	90	Calm.	0	4-4	.....	.....	.....	Cloudy.
*Knoxville, Tenn	30.03	72	53	S. W.	8	0	1-4	W.	.....	Fair.
La Crosse, Wis	29.63	47	87	Calm.	0	1-4	2-4	S. W.	.....	Cloudy.
*Lake City, Fla	30.19	72	81	S. E.	2	0	0	.....	.....	Clear.
Leavenworth, Kans	29.50	74	63	S.	22	0	3-4	N. W.	.....	Fair.
Louisville, Ky	29.87	73	63	S. E.	8	0	0	.....	.....	Clear.
Lynchburg, Va	30.04	62	66	E.	4	0	0	.....	.....	Clear.
*Marquette, Mich	29.81	37	80	S. E.	8	4-4	.....	.....	.....	Cloudy.
Memphis, Tenn	29.96	76	60	S. E.	10	0	0	.....	.....	Clear.
Milwaukee, Wis	29.63	42	91	S. E.	8	4-4	.....	.....	.....	Cloudy.
Mobile, Ala	30.18	70	90	S.	6	4-4	.....	.....	.....	Cloudy.
Montgomery, Ala	30.15	73	71	S.	4	0	0	.....	.....	Clear.
Montreal, Canada	30.23	36	70	N.	2	0	0	.....	.....	Clear.
*Mount Washington, N. H	30.02	17	83	W.	12	1-4	0	.....	.....	Fair.
Nashville, Tenn	29.99	72	62	S.	3	0	0	.....	.....	Clear.
New London, Conn	30.22	36	71	N. W.	4	0	2-4	N. W.	.....	Fair.
New Orleans, La	30.11	73	85	S. E.	10	4-4	.....	.....	.....	Cloudy.
New York, N. Y	30.27	44	68	N. E.	2	0	0	.....	.....	Clear.
*Norfolk, Va	30.11	58	81	Calm.	0	0	0	.....	.....	Clear.
Omaha, Nebr	29.63	50	86	N.	16	2-4	1-4	S. W.	.....	Fair.
Oswego, N. Y	30.19	38	67	S. E.	2	4-4	.....	.....	.....	Cloudy.
Pembina, Dak	29.75	36	84	Calm.	0	0	0	.....	.....	Clear.
Philadelphia, Pa	30.22	47	55	E.	7	2-4	2-4	.....	.....	Cloudy.
Pittsburgh, Pa	29.95	59	59	E.	5	0	4-4	.....	.....	Cloudy.
Port Dover, Canada	30.04	37	71	N.	11	0	4-4	N.	.....	Cloudy.
Port Stanley, Canada	30.01	39	73	N. E.	6	4-4	.....	.....	.....	Cloudy.
Portland, Me	30.16	37	52	N. W.	4	0	0	.....	.....	Clear.
Portland, Oreg	30.19	43	75	N. W.	1	0	2-4	.....	.....	Fair.
*Punta Rassa, Fla	30.19	75	85	S. E.	11	4-4	.....	.....	.03	Light rain.
Quebec, Canada	30.23	42	100	Calm.	0	0	0	.....	.....	Clear.
Rochester, N. Y	30.16	35	67	E.	8	Hazy..	3-4	W.	.....	Fair.
*San Diego, Cal	30.03	52	59	N. W.	19	0	3-4	W.	.....	Cloudy.
San Francisco, Cal	30.05	45	60	N. W.	12	0	0	.....	.....	Clear.
Santa Fé, N. Mex	29.54	46	0	S.	4	0	0	.....	.....	Clear.
Saugeen, Canada	29.98	40	48	S. E.	7	4-4	.....	.....	.....	Cloudy.
Savannah, Ga	30.22	67	84	S.	8	0	1-4	.....	.....	Clear.
Shreveport, La	29.93	76	69	S.	13	0	0	.....	.....	Clear.
Saint Louis, Mo	29.76	72	79	S.	16	0	3-4	.....	.....	Fair.
Saint Paul, Minn	29.68	48	76	Calm.	0	4-4	.....	.....	.....	Cloudy.
Toledo, Ohio	29.91	41	84	E.	4	0	1-4	.....	.....	Clear.
Toronto, Canada	30.08	36	67	E.	15	1-4	3-4	W.	.....	Threatening.
*Vicksburg, Miss	30.06	77	72	S.	8	0	0	.....	.....	Clear.
Virginia City, Mont	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Washington, D. C	30.14	50	65	N. E.	4	0	2-4	N. W.	.01	Fair.
Wilmington, N. C	30.17	64	78	S. W.	8	0	0	.....	.....	Clear.
Yankton, Dak	29.69	44	89	N.	17	3-4	1-4	N.	.....	Cloudy.


WAR DEPARTMENT WEATHER MAP.
SIGNAL SERVICE, U.S. ARMY.
Division of Telegrams and Reports for the Benefit of Commerce and Agriculture.
Washington, Friday, April 4. 1873.—11 P. M.
All Observations made at the same moment of actual (not local) time.
REFERENCES.
CLEAR
CLOUDY
SNOW
RAIN
Figures at base of arrows show velocity of wind in miles per hour.
The Figures (in feet) show the average elevation of the locations on which they are placed.
Light Brown shaded surfaces average under 500 ft above sea level.
Dark Brown shaded surfaces average over 500 ft above sea level.
Note.
Isobarometric lines
Isothermal
HIGH
LOW
PUBLISHED BY ORDER OF THE SECRETARY OF WAR.
Albert J. Myer
Portland
Humboldt City
San Francisco
San Diego
Virginia City
Ft. Benton
Pembina
Duluth
Marquette
Escanaba
Mackinaw
Ft. Sully
St. Paul
Green Bay
Milwaukee
Chicago
Alpena
Sandusky
Toledo
Detroit
Buffalo
Oswego
Rochester
Albany
Boston
Portland
Boston
New London
New York
Philadelphia
Baltimore
Washington
Norfolk
Quebec
Montreal
Kingston
Toronto
Cleveland
Omaha
Dubuque
Leavenworth
Keokuk
Indianapolis
Louisville
St. Louis
Cairo
Nashville
Memphis
Chattanooga
Knoxville
Atlanta
Augusta
Charleston
Savannah
Fernandina
Jacksonville
Key West
Havana
Cuba
Santiago de Cuba
St. Domingo
Santa Fe
Fort Smith
Little Rock
Vicksburg
Montgomery
Mobile
New Orleans
Galveston
Indianola
Brownsville
Waco
Fort Bascom
Fort Riley
Fort Randall
Fort Buford
Fort Benton
Virginia City
Lake Michigan
Lake Superior
Lake Huron
Lake Erie
Lake Ontario
St. Lawrence
Note.
Isobarometric lines
Isothermal

WASHINGTON, D. C.,
FRIDAY, *April* 4, 1873—11 *p. m.*

SYNOPSIS.

The area of low barometer, that was Thursday night in Nebraska, is now apparently central over Iowa, and has extended its influence somewhat northeast to Wisconsin. The disturbance over this entire region is decidedly less than on Thursday; southerly winds, with partly cloudy weather, are reported from the Gulf States. Southwest winds, with clear weather, from the South Atlantic States; north and east winds prevail over the Middle and Eastern States, with clear weather in the latter. A local disturbance of small importance is central in Eastern Virginia. Northeast winds and cloudy weather prevail over Lake Superior and the Lower Lakes; southerly winds, increasing to brisk, with cloudy weather and much higher temperature than on Thursday, prevail from Lake Michigan to Missouri and Kentucky.

PROBABILITIES.

For Saturday, in the Gulf States, southerly winds, partly cloudy and clear weather, with rising barometer. For the South Atlantic States and Ohio Valley, southwesterly winds and partly cloudy weather. For the Middle and Eastern States and the Lower Lakes, northeasterly winds, partly cloudy weather. For the Upper Lakes, westerly winds and cloudy weather.

Cautionary signals continue at Chicago, Grand Haven, Milwaukee, Duluth, Detroit, Toledo, and Cleveland.

FACTS—7.35 A. M., (*following the above "Probabilities."*)

WIND AND WEATHER.

(1.) *Clear.*—At Augusta, calm; Detroit, wind S., light; Charleston and Norfolk, wind SW., gentle; Jacksonville, Lynchburg, and Lake City, wind S., gentle; Punta Rassa, wind NE., gentle; San Francisco, wind NW., gentle; Key West, wind E., fresh; Louisville, wind S., fresh; Savannah and Wilmington, wind SW., fresh.

(2.) *Fair.*—At Knoxville, Montgomery, Toledo, and Quebec, calm; Boston, wind NW., gentle; Nashville, wind S., gentle; Portland, Me., wind N., gentle; Cincinnati and Milwaukee, wind SW., gentle; Pittsburgh, wind W., gentle; Galveston, Shreveport, and Saint Louis, wind SE., fresh; New York, wind NE., fresh; Keokuk, Memphis, and Indianapolis, wind S., fresh; Eastport, wind N., fresh; Chicago, wind N., brisk; Philadelphia, wind NE., brisk.

(3.) *Cloudy.*—At Mobile, wind SE., light; Burlington, wind N., light; Baltimore, La Crosse, Montreal, and Washington, wind NE., gentle; New Orleans, wind SE., gentle; Duluth, wind SW., gentle; Cape May and Stanley, wind NE., fresh; Cleveland and Davenport, wind SW., fresh; Pembina and Saint Paul, wind NW., fresh; Fort Gibson, wind SE., fresh; Corinne, wind NW., brisk; Omaha, wind N., brisk; Grand Haven, wind SW., brisk; Saugeen, wind SE., brisk; Buffalo, Kingston, and Toronto, wind E., brisk.

(4.) *Rainy.*—At Alpena and Oswego, wind SE., fresh; New London, wind N., fresh; Rochester, wind NE., brisk.

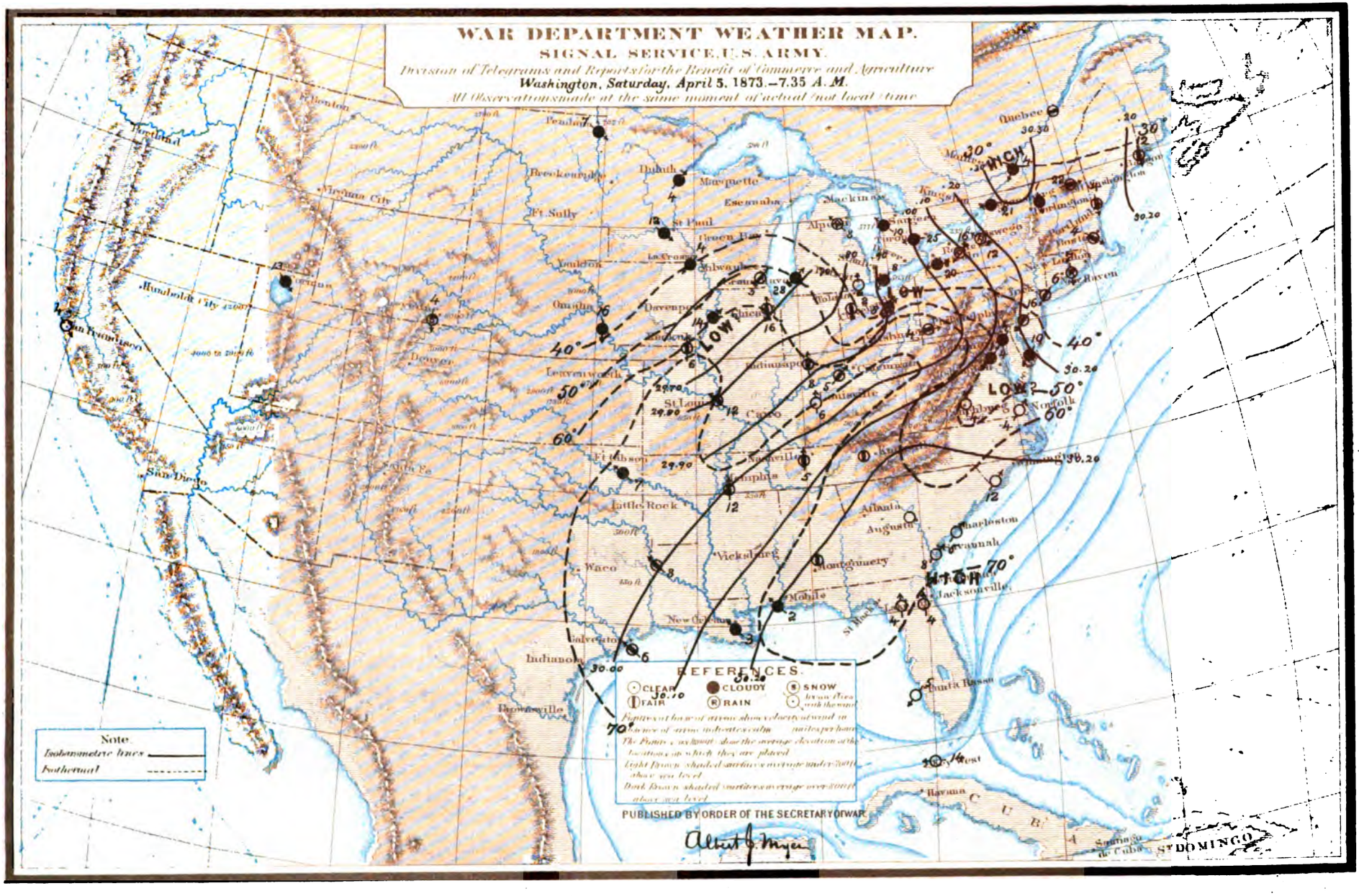
(5.) *Snowy.*—At Cheyenne, wind N., gentle.

GENERAL REMARKS AS TO VERIFICATIONS.

The above "Probabilities" were generally verified, except "for the Middle and Eastern States and the Lower Lakes, northeasterly winds and partly cloudy weather," and "for the Upper Lakes, westerly winds and partly cloudy weather," partly verified; "cautionary signals for Duluth, Detroit, Toledo, and Cleveland," not verified.

METEOROLOGICAL RECORD, APRIL 5, 1873—7.35 A. M.

Place of observation.	Barometer.	Thermometer.	Relative humidity, per cent.	Wind.		Clouds.			Rain-fall in last 8 hours.	State of the weather.
				Direction.	Velocity.	Amount of lower.	Amount of upper.	Direction of upper.		
Alpena, Mich	29.96	35	90	S. E.	7	4-4	.....	.....	.35	Light rain.
Augusta, Ga	30.26	65	84	Calm.	0	0	0	.....	.....	Clear.
Baltimore, Md	30.18	49	57	N. E.	4	4-4	.....	.....	.....	Cloudy.
Boston, Mass	30.28	38	63	N. W.	4	4-4	.....	.....	.....	Foggy.
*Breckenridge, Minn	29.86	33	80	N. W.	15	2-4	2-4	W.	.....	Cloudy.
Buffalo, N. Y	30.01	36	85	E.	20	4-4	.....	.....	.....	Cloudy.
Burlington, Vt	30.28	33	69	N.	1	4-4	.....	.....	.....	Cloudy.
*Cairo, Ill	29.96	71	71	S.	12	1-4	1-4	W.	.....	Fair.
Cape May, N. J	30.16	45	84	N. E.	10	1-4	2-4	N. W.	.....	Cloudy.
Charleston, S. C	30.24	66	89	S. W.	5	Hazy..	0	.....	.....	Clear.
Cheyenne, Wyo	29.79	25	75	N.	4	4-4	.....	.....	.06	Heavy snow.
Chicago, Ill	29.77	65	78	S.	16	0	1-4	S. W.	.....	Fair.
Cincinnati, Ohio	30.00	70	66	S. W.	5	Smoky	2-4	S. W.	.....	Fair.
Cleveland, Ohio	29.92	66	74	S. W.	8	2-4	2-4	S. W.	.....	Cloudy.
Corinne, Utah	29.85	28	66	N. W.	13	2-4	2-4	.....	.....	Cloudy.
Davenport, Iowa	29.71	67	74	S. W.	14	4-4	.....	.....	.....	Cloudy.
*Denver, Colo	29.86	30	100	N. E.	4	4-4	.....	.....	.02	Light snow.
Detroit, Mich	29.88	43	75	S.	2	Smoky	1-4	.....	.....	Clear.
Duluth, Minn	29.72	37	80	S. W.	4	4-4	.....	.....	.....	Cloudy.
Eastport, Me	30.18	36	71	N.	12	0	1-4	.....	.....	Fair.
*Escanaba, Mich	29.88	38	72	N.	12	4-4	.....	.....	.01	Heavy rain.
*Fort Benton, Mont	30.10	23	86	S. W.	6	0	4-4	S. W.	.....	Cloudy.
Fort Garry, Manitoba	29.72	33	96	Calm.	0	4-4	.....	.....	.....	Cloudy.
Fort Gibson, I. T	29.90	76	81	S. E.	7	4-4	.....	.....	.....	Cloudy.
*Fort Sully, Dak	30.03	33	70	N. W.	11	4-4	.....	.....	.....	Cloudy.
Galveston, Tex	30.01	70	95	S. E.	6	1-4	2-4	S. W.	.....	Fair.
Grand Haven, Mich	29.72	53	79	S. W.	28	3-4	1-4	.....	.....	Cloudy.
Indianapolis, Ind	29.91	69	74	S.	8	Smoky	1-4	.....	.....	Fair.
*Indianola, Tex	30.00	72	92	S. E.	4	Fog ...	0	.....	.....	Fair.
Jacksonville, Fla	30.28	70	85	S.	4	0	0	.....	.....	Clear.
Keokuk, Iowa	29.67	72	62	S.	6	1-4	1-4	.....	.....	Fair.
Key West, Fla	30.21	98	61	E.	14	0	0	.....	.....	Clear.
Kingston, Canada	30.23	35	63	E.	21	4-4	.....	.....	.03	Cloudy.
Knoxville, Tenn	30.20	64	75	Calm.	0	Hazy..	Hazy..	.....	.....	Fair.
La Crosse, Wis	29.92	44	84	N. E.	4	4-4	.....	.....	.....	Cloudy.
Lake City, Fla	30.26	70	84	S.	4	0	0	.....	.....	Clear.
*Leavenworth, Kans	29.61	70	75	S.	14	1-4	3-4	N. W.	.....	Fair.
Louisville, Ky	29.98	71	81	S.	6	Smoky	0	.....	.....	Clear.
Lynchburg, Va	30.15	52	76	S.	4	Smoky	0	.....	.....	Clear.
*Marquette, Mich	29.81	36	90	S. E.	4	4-4	.....	.....	.06	Light rain.
Memphis, Tenn	30.05	72	71	S.	12	0	2-4	S. W.	.....	Fair.
Milwaukee, Wis	29.64	59	88	S. W.	3	Fog ...	Hazy..	.....	.....	Fair.
Mobile, Ala	30.23	69	90	S. E.	2	4-4	.....	.....	.....	Cloudy.
Montgomery, Ala	30.23	66	83	Calm.	0	Smoky	0	.....	.....	Fair.
Montreal, Canada	30.30	33	75	N. E.	4	4-4	.....	.....	.....	Cloudy.
Mount Washington, N. H	30.12	18	84	W.	22	2-4	0	.....	.....	Fair.
Nashville, Tenn	30.00	73	73	S.	5	0	2-4	W.	.....	Fair.
New London, Conn	30.28	34	100	N.	7	4-4	.....	.....	.12	Light rain.
New Orleans, La	30.16	71	99	S. E.	3	4-4	.....	.....	.....	Cloudy.
New York, N. Y	30.26	40	77	N. E.	6	1-4	1-4	.....	.01	Fair.
Norfolk, Va	30.13	62	74	S. W.	4	0	Hazy..	.....	.....	Clear.
Omaha, Nebr	29.76	42	42	N.	16	4-4	.....	.....	.....	Threatening.
Oswego, N. Y	30.18	36	71	S. E.	13	4-4	.....	.....	.12	Threatening.
Pembina, Dak	29.77	34	89	N. W.	7	4-4	.....	.....	.....	Cloudy.
Philadelphia, Pa	30.24	43	71	N. E.	16	Hazy..	2-4	N. W.	.03	Fair.
Pittsburgh, Pa	29.98	69	65	W.	4	Smoky	2-4	W.	.....	Fair.
*Port Dover, Canada	30.04	55	80	N.	23	0	2-4	N.	.....	Fair.
Port Stanley, Canada	29.99	37	80	N. E.	8	4-4	.....	.....	.....	Cloudy.
Portland, Me	30.22	37	52	N.	4	1-4	1-4	W.	.....	Fair.
*Portland, Oreg	30.29	35	80	Calm.	0	2-4	2-4	.....	.....	Cloudy.
Punta Rassa, Fla	30.26	74	83	N. E.	5	0	0	.....	.02	Clear.
Quebec, Canada	30.27	25	80	Calm.	0	1-4	0	.....	.....	Fair.
Rochester, N. Y	30.10	35	90	N. E.	16	4-4	.....	.....	.58	Heavy rain.
*San Diego, Cal	30.05	49	59	W.	20	1-4	3-4	W.	.08	Cloudy.
San Francisco, Cal	30.14	44	60	N. W.	4	0	0	.....	.....	Clear.
*Santa Fé, N. Mex	29.58	35	36	N. E.	4	0	0	.....	.....	Clear.
Saugeen, Canada	29.94	39	73	S. E.	10	4-4	.....	.....	.21	Cloudy.
Savannah, Ga	30.26	73	71	S. W.	8	Smoky	0	.....	.....	Clear.
Shreveport, La	30.03	70	85	S. E.	8	0	2-4	W.	.....	Fair.
Saint Louis, Mo	29.83	67	74	S. E.	12	1-4	2-4	.....	.....	Fair.
Saint Paul, Minn	29.77	39	80	N. W.	12	4-4	.....	.....	.34	Cloudy.
Toledo, Ohio	29.87	42	85	Calm.	0	Fog...	2-4	W.	.....	Fair.
Toronto, Canada	30.07	35	77	E.	25	4-4	.....	.....	.12	Cloudy.
*Vicksburg, Miss	30.14	71	90	S. E.	8	0	2-4	S.	.....	Cloudy.
Virginia City, Mont	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Washington, D. C	30.16	46	73	N. E.	4	4-4	.....	.....	.....	Cloudy.
Wilmington, N. C	30.23	68	80	S. W.	12	0	0	.....	.....	Clear.
*Yankton, D. T	29.89	37	96	N.	19	4-4	.....	.....	.....	Cloudy.


WAR DEPARTMENT WEATHER MAP.
SIGNAL SERVICE, U.S. ARMY.
Division of Telegrams and Reports for the Benefit of Commerce and Agriculture
Washington, Saturday, April 5, 1873.—7.35 A.M.
All Observations made at the same moment of actual (not local) time
REFERENCES.
CLEAR
FAIR
CLOUDY
RAIN
SNOW
Note.
Isobarometric lines
Isothermal
PUBLISHED BY ORDER OF THE SECRETARY OF WAR.
Albert J. Myer
Portland
Virginia City
Humboldt City
San Francisco
San Diego
Denver
Leavenworth
Omaha
St Paul
Duluth
Marquette
Escanaba
Mackinaw
Toledo
Cleveland
Buffalo
Oswego
Albany
Boston
New Haven
Quebec
Montreal
Washington
Norfolk
Wilmington
Charleston
Savannah
Augusta
Atlanta
Jacksonville
Key West
Havana
Punta Rassa
Mobile
New Orleans
Galveston
Indianola
Brownsville
Waco
Vicksburg
Memphis
Little Rock
Nashville
St Louis
Cairo
Chicago
Milwaukee
Indianapolis
Cincinnati
Pittsburgh
Philadelphia
Baltimore
Fort Gibson
Fort Sully
Breckenridge
Pembina
LOW
HIGH
30°
40°
50°
60°
70°
CUBA
SANTO DOMINGO

WASHINGTON, D. C.,
SATURDAY, *April* 5, 1873—7.35 *a. m.*

SYNOPSIS.

The area of low barometer, that was Friday morning in Iowa, has moved very slowly across that State, and the barometic depression has very generally disappeared, being now represented by several small areas of minor disturbance in Iowa, over the Lower Lakes, and on the Middle Atlantic coast. The temperature has risen decidedly in Illinois and Ohio, and has fallen somewhat in the Middle and Eastern States; it has risen during Friday night on the South Atlantic coast and over Lake Erie. Southeasterly winds, with cloud, prevail in the Southwest; southwest winds, with clear weather, in the South Atlantic States; north and east winds, with occasional rain or snow, over Lake Huron and eastward to the Connecticut River.

PROBABILITIES.

The barometer continue rising during Saturday throughout the Southern States, with southwesterly winds and rising temperature. Cloudy weather and possibly rain prevail on the immediate Gulf coast, and extend as local storms into South Carolina. Southwesterly winds continue over the Ohio Valley and extend over the Middle Atlantic States during Saturday evening. A small disturbance develop in the latter region by Saturday afternoon, attended by northeast winds and light rain in New Jersey, New York, and Southern New England. Northeast winds and rain continue on Lake Ontario, and cloudy weather prevail very generally over the Lake region. Cold northerly winds, with cloudy and threatening weather, continue during the day over the Northwest and thence to Wyoming.

Cautionary signals continue at Milwaukee, Chicago, Grand Haven, Detroit, Toledo, Cleveland, and are ordered at Buffalo, Oswego, and Rochester.

FACTS—4.35 P. M., (*following the above "Probabilities."*)

WIND AND WEATHER.

(1.) *Clear.*—At Augusta and Wilmington, wind SW., fresh; Charleston, wind S., fresh; Eastport, wind NW., fresh; Chicago and Lynchburg, wind S., brisk; San Francisco, wind W., brisk.

(2.) *Fair.*—At Lake City and Toledo, calm; Montreal, wind NE., light; Milwaukee, wind SE., light; Detroit, wind SE., gentle; Punta Rassa, wind W., gentle; Montgomery, wind SW., gentle; Portland, Oreg., wind NW., gentle; Cape May, Jacksonville, Norfolk, and Washington, wind E., fresh; San Diego, wind W., fresh; Baltimore, wind SE., fresh; Mobile, New Orleans, Vicksburg, and Nashville, wind S., fresh; Memphis and Pittsburgh, wind SW., fresh; Saint Paul, wind NW., fresh; Corinne and Omaha, wind N., brisk; Indianola, wind SE., brisk; Indianapolis, Knoxville, and Louisville, wind SW., brisk; Key West, wind E., brisk; Rochester and Savannah, wind S., high.

(3.) *Cloudy.*—At Burlington, Duluth, Marquette, and Quebec, calm; Stanley, wind N., light; Boston and Cleveland, wind NW., gentle; La Crosse, wind NE., gentle; Portland, Me., wind SW., gentle; Alpena, Galveston, Philadelphia, New London, and Oswego, wind SE., fresh; Davenport and Keokuk, wind SW., fresh; Escanaba, Kingston, New York, and Toronto, wind NE., fresh; Pembina, wind NW., fresh; Shreveport, wind S., fresh; Virginia City, wind N., fresh; Breckenridge, wind NW., brisk; Grand Haven, wind SW., brisk.

(4.) *Rainy.*—At Fort Gibson, wind SE., fresh; Leavenworth, wind NW., fresh; Buffalo, wind SE., brisk.

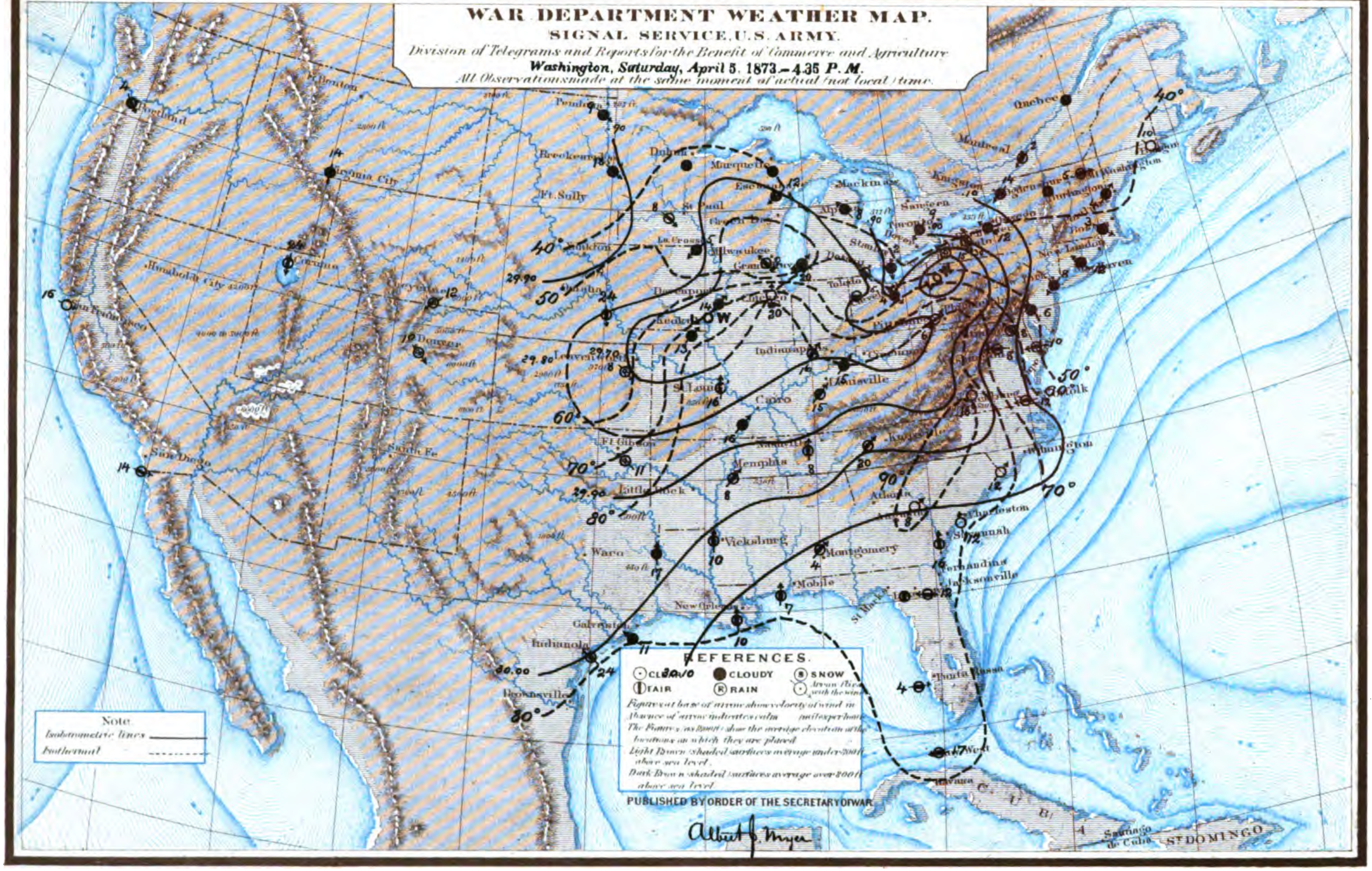
(5.) *Snowy.*—At Cheyenne, wind NE., fresh; Denver, wind NW., fresh.

GENERAL REMARKS AS TO VERIFICATIONS.

The above "Probabilities" were generally verified, except "possibly rain prevail on the immediate Gulf coast, and extend as local storms into South Carolina," "southwesterly winds extend over the Middle Atlantic States during Saturday evening," "light rain in Southern New England," and "cautionary signals for Detroit, Toledo, and Cleveland," not verified.

METEOROLOGICAL RECORD, APRIL 5, 1873—4.35 P. M.

Place of observation.	Barometer.	Thermometer.	Relative humidity, per cent.	Wind.		Clouds.			Rain-fall in last 8 hours.	State of the weather.
				Direction.	Velocity.	Amount of lower.	Amount of upper.	Direction of upper.		
Alpena, Mich	29.85	38	81	S. E.	8	2-4	Hazy..	S. E.	.03	Cloudy.
Augusta, Ga	30.12	89	27	S. W.	8	0	0	.....	.....	Clear.
Baltimore, Md	30.08	61	55	S. E.	8	Hazy..	1-4	.....	.....	Fair.
Boston, Mass	30.19	43	59	N. W.	3	Hazy..	3-4	N. W.	.06	Cloudy.
Breckenridge, Minn	29.78	36	76	N. W.	18	4-4	.....	.....	.....	Cloudy.
Buffalo, N. Y	29.80	44	96	S. E.	15	2-4	2-4	W.	.78	Light rain.
Burlington, Vt	30.18	38	62	Calm.	0	4-4	.....	.....	.....	Cloudy.
Cairo, Ill	29.90	84	47	S. W.	16	2-4	1-4	S. W.	.....	Cloudy.
Cape May, N. J	30.12	46	69	E.	10	1-4	0	.....	.....	Fair.
Charleston, S. C	30.14	79	62	S.	12	0	0	.....	.....	Clear.
Cheyenne, Wyo	29.80	26	88	N. E.	12	4-4	.....	.....	.20	Light snow.
Chicago, Ill	29.71	83	46	S.	20	Smoky	1-4	S. W.	.....	Clear.
Cincinnati, Ohio	29.99	84	49	S. W.	15	Smoky	4-4	S. W.	.....	Threatening.
Cleveland, Ohio	29.88	63	77	N. W.	4	4-4	.....	.....	.....	Threatening.
Corinne, Utah	29.89	42	18	N.	24	1-4	2-4	N. W.	.....	Fair.
Davenport, Iowa	29.72	74	67	S. W.	14	4-4	.....	.....	.....	Threatening.
Denver, Colo	29.81	34	100	N. W.	10	4-4	.....	.....	.02	Sleet.
Detroit, Mich	29.79	57	69	S. E.	5	Smoky	1-4	S. W.	.....	Fair.
Duluth, Minn	29.85	42	74	Calm.	0	1-4	3-4	S. W.	.....	Cloudy.
Escanaba, Mich	29.75	40	82	N. E.	12	4-4	.....	.....	.....	Clear.
Eastport, Me	30.14	42	42	N. W.	10	0	Hazy..	.....	.02	Cloudy.
*Fort Benton, Mont	30.14	35	54	W.	11	0	3-4	W.	.....	Fair.
Fort Garry, Manitoba	29.82	38	67	N. W.	17	3-4	1-4	N. W.	.....	Cloudy.
Fort Gibson, Ind. T	29.89	46	60	S. E.	11	4-4	.....	.....	.....	Light rain.
*Fort Sully, Dak	30.10	40	48	N.	18	4-4	.....	.....	.....	Cloudy.
Galveston, Tex	30.01	78	76	S. E.	11	Hazy..	4-4	S. W.	.....	Cloudy.
Grand Haven, Mich	29.72	50	63	S. W.	20	4-4	.....	.....	.....	Cloudy.
Indianapolis, Ind	29.83	81	55	S. W.	16	0	2-4	S. W.	.....	Fair.
Indianola, Tex	30.01	80	72	S. E.	24	1-4	2-4	W.	.....	Fair.
Jacksonville, Fla	30.20	82	47	E.	12	0	1-4	.....	.....	Fair.
Keokuk, Iowa	29.62	81	52	S. W.	13	0	4-4	S. W.	.....	Cloudy.
Key West, Fla	30.16	80	55	E.	17	0	2-4	E.	.....	Fair.
Kingston, Canada	30.09	37	98	N. E.	14	4-4	.....	.....	.....	Cloudy.
Knoxville, Tenn	30.02	85	30	S. W.	20	Hazy..	1-4	.....	.....	Fair.
La Crosse, Wis	29.81	42	72	N. E.	5	4-4	.....	.....	.....	Cloudy.
Lake City, Fla	30.16	88	37	Calm.	0	0	1-4	.....	.....	Fair.
Leavenworth, Kans	29.72	58	88	N. W.	8	4-4	.....	.....	.21	Light rain.
Louisville, Ky	29.88	85	36	S. W.	15	Smoky	2-4	.....	.....	Fair.
Lynchburg, Va	29.91	91	26	S.	16	0	0	.....	.....	Clear.
Marquette, Mich	29.81	40	91	Calm.	0	4-4	.....	.....	.....	Cloudy.
Memphis, Tenn	29.98	87	39	S. W.	8	Hazy..	2-4	S. W.	.....	Fair.
Milwaukee, Wis	29.68	49	79	S. E.	2	Hazy..	2-4	S. W.	.....	Fair.
Mobile, Ala	30.21	80	61	S.	7	1-4	1-4	S	.....	Fair.
Montgomery, Ala	30.12	88	36	S. W.	4	0	2-4	S.	.....	Fair.
Montreal, Canada	30.16	38	66	N. E.	2	0	2-4	N. E.	.....	Fair.
Mount Washington, N. H	30.13	24	87	W.	5	2-4	0	.....	.....	Fair.
Nashville, Tenn	29.96	87	34	S.	8	0	2-4	W.	.....	Fair.
New London, Conn	30.18	41	68	S. E.	12	0	4-4	N.	.....	Cloudy.
New Orleans, La	30.13	80	61	S.	10	0	2-4	S. E.	.....	Fair.
New York, N. Y	30.17	45	76	N. E.	8	2-4	2-4	N. E.	.....	Cloudy.
Norfolk, Va	30.09	64	65	E.	12	0	Hazy..	.....	.....	Fair.
Omaha, Nebr	29.79	54	61	N.	24	2-4	1-4	N.	.....	Fair.
Oswego, N. Y	30.01	42	75	S. E.	12	4-4	.....	.....	.30	Threatening.
Pembina, Dak	29.91	37	80	N. W.	9	4-4	.....	.....	.....	Cloudy.
Philadelphia, Pa	30.15	54	43	S. E.	6	3-4	1-4	N. W.	.....	Cloudy.
Pittsburgh, Pa	29.83	85	41	S. W.	6	0	1-4	S. W.	.....	Fair.
*Port Dover, Canada	29.92	37	100	S. W.	3	4-4	.....	.....	.27	Light rain.
Port Stanley, Canada	29.93	43	75	N.	2	4-4	.....	.....	.21	Cloudy.
Portland, Me	30.14	39	54	S. W.	4	1-4	2-4	N. W.	.....	Cloudy.
Portland, Oreg	30.31	49	50	N. W.	4	0	2-4	.....	.....	Fair.
Punta Rassa, Fla	30.18	73	85	W.	4	0	2-4	E.	.....	Fair.
Quebec, Canada	30.22	38	100	Calm.	0	4-4	.....	.....	.....	Cloudy.
Rochester, N. Y	29.83	43	96	S.	30	3-4	.....	.....	.74	Clearing.
San Diego, Cal	30.16	56	38	W.	14	0	1-4	W.	.....	Fair.
San Francisco, Cal	30.22	54	49	W.	16	0	0	.....	.....	Clear.
*Santa Fé, N. Mex	29.46	60	0	S. W.	43	0	1-4	S. W.	.....	Fair.
*Saugeen, Canada	29.88	45	92	S. E.	7	3-4	1-4	W.	.08	Cloudy.
Savannah, Ga	30.17	82	52	S.	16	Smoky	1-4	.....	.....	Fair.
Shreveport, La	29.95	86	39	S.	17	4-4	.....	.....	.....	Cloudy.
Saint Louis, Mo	29.76	85	44	S.	16	Smoky	2-4	S. W.	.....	Fair.
Saint Paul, Minn	29.84	49	64	N. W.	8	0	2-4	N. W.	.....	Fair.
Toledo, Ohio	29.83	52	65	Calm.	0	Smoky	2-4	.....	.....	Fair.
Toronto, Canada	29.98	37	95	N. E.	9	4-4	.....	.....	.54	Cloudy.
Vicksburg, Miss	30.07	88	40	S.	10	0	2-4	S.	.....	Fair.
Virginia City, Mont	29.72	24	88	N.	14	4-4	.....	.....	.....	Cloudy.
Washington, D. C	30.04	64	53	E.	8	Smoky	1-4	W.	.....	Fair.
Wilmington, N. C	30.10	81	58	S. W.	12	Hazy..	0	.....	.....	Clear.
*Yankton, Dak	29.89	50	74	N.	12	2-4	2-4	N.	.....	Cloudy.



WAR DEPARTMENT WEATHER MAP.
SIGNAL SERVICE, U.S. ARMY.
Division of Telegrams and Reports for the Benefit of Commerce and Agriculture
Washington, Saturday, April 5, 1873.—4.35 P. M.
All Observations made at the same moment of actual (not local) time.
REFERENCES.
CLOUDY
SNOW
FAIR
RAIN
Note.
Isobarometric lines
Isothermal
PUBLISHED BY ORDER OF THE SECRETARY OF WAR.
Quebec
Montreal
Kingston
Toronto
Mackinaw
Marquette
Escanaba
Duluth
Milwaukee
Grand Haven
Toledo
Indianapolis
Louisville
Cairo
Memphis
Vicksburg
Montgomery
Mobile
New Orleans
Galveston
Indianola
Brownsville
Little Rock
Ft. Gibson
Santa Fe
Denver
Omaha
Yankton
Ft. Sully
Breckenridge
Pembina
Corinne
Virginia City
Humboldt City
Portland
San Francisco
San Diego
Charleston
Savannah
Jacksonville
Fernandina
Wilmington
Norfolk
Atlanta
Knoxville
Key West
Havana
LOW
ST. DOMINGO

WASHINGTON, D. C.,
SATURDAY, *April* 5, 1873—4.35 *p. m.*

SYNOPSIS.

The low barometer, that was Friday afternoon central in Iowa, now extends over Lake Michigan, and other storm-centres of minor intensity exist on Lake Erie and apparently in West Virginia. Northeasterly winds, followed by calms, have prevailed over Lake Superior, and have veered to southeast in the Middle States. Brisk southerly winds are reported from Southern Lake Michigan and Texas. Brisk northwesterly winds, with cold, cloudy weather, prevail in Colorado and the Missouri Valley. Southerly winds, with partly cloudy and warm weather, are reported from the Eastern Gulf and South Atlantic States. Heavy rain has fallen during the day on Lake Ontario, and a severe thunder-storm has prevailed on Lake Erie. The rivers have risen at Memphis and fallen at Nashville and Cincinnati.

PROBABILITIES.

Rising barometer, partly cloudy and clear weather, probably continue during Sunday in the South Atlantic States, and with cloudy weather in the Eastern Gulf States. Falling temperature, cloudy weather, and possibly light rain prevail in the Southwest. The areas of low barometer in the Lake region and in West Virginia very generally diminish and possibly disappear. Easterly winds, veering to southerly, prevail in the Middle States and Southern New England, with generally clearing weather. Southwesterly winds veer to west and northwest over Lake Erie, Upper Lakes, and Upper Mississippi Valley, with falling temperature and cloudy or partly cloudy weather. Cold northerly winds continue in the Northwest, and extend southward over Missouri and possibly into Texas.

Cautionary signals continue at Milwaukee, Chicago, Grand Haven, Oswego, and Rochester.

FACTS—11 P. M., (*following the above "Probabilities."*)

WIND AND WEATHER.

(1.) *Clear.*—At Augusta, Toledo, and Saint Paul, calm; Mobile and Montgomery, wind S., light; Louisville, wind S., gentle; San Diego, wind NE., gentle; Charleston, Lynchburg, Savannah, and Wilmington, wind SW., fresh; Cincinnati and Nashville, wind S., fresh; San Francisco, wind NW., fresh.

(2.) *Fair.*—At New London and Portland, Oreg., calm; Portland, Me., wind SW., light; Stanley, wind NE., light; Detroit, wind NW., gentle; Norfolk, wind E., gentle; Saint Louis, wind SW., gentle; Corinne, wind NW., fresh; Cairo, Galveston, and Memphis, wind SE., fresh; Philadelphia, wind W., fresh; Buffalo, wind E., fresh; Indianapolis, wind S., fresh.

(3.) *Cloudy.*—At Cleveland, Duluth, and Quebec, calm; Montreal, wind NE., light; Oswego, wind S., light; Rochester, wind SE., light; Boston and Saugeen, wind SE., gentle; Dover, wind N., gentle; Pittsburgh, wind E., gentle; Kingston, New York, and Toronto, wind NE., fresh; Leavenworth and Omaha, wind N., fresh; New Orleans, wind SE., fresh; Pembina, wind NW., fresh; Breckenridge, wind N., brisk; Shreveport, wind SE., brisk; Washington, wind E., brisk.

(4.) *Rainy.*—At Baltimore, Davenport, and Milwaukee, wind SE., fresh; Chicago, wind SW., brisk.

(5.) *Snowy.*—At Cheyenne and Denver, wind N., fresh.

GENERAL REMARKS AS TO VERIFICATIONS.

The above "Probabilities" were generally verified, except "cloudy weather in the Eastern Gulf States," and "over Lake Erie, Upper Lakes, and Upper Mississippi Valley, cloudy or partly cloudy weather," partly verified; "falling temperature and possibly light rain prevail in the Southwest;" "for Middle States and Southern New England, generally clearing weather," and "cold northerly winds extend southward possibly into Texas," not verified.

WASHINGTON, D. C.,
FRIDAY, *April* 4, 1873—11 *p. m.*

SYNOPSIS.

The area of low barometer, that was Thursday night in Nebraska, is now apparently central over Iowa, and has extended its influence somewhat northeast to Wisconsin. The disturbance over this entire region is decidedly less than on Thursday; southerly winds, with partly cloudy weather, are reported from the Gulf States. Southwest winds, with clear weather, from the South Atlantic States; north and east winds prevail over the Middle and Eastern States, with clear weather in the latter. A local disturbance of small importance is central in Eastern Virginia. Northeast winds and cloudy weather prevail over Lake Superior and the Lower Lakes; southerly winds, increasing to brisk, with cloudy weather and much higher temperature than on Thursday, prevail from Lake Michigan to Missouri and Kentucky.

PROBABILITIES.

For Saturday, in the Gulf States, southerly winds, partly cloudy and clear weather, with rising barometer. For the South Atlantic States and Ohio Valley, southwesterly winds and partly cloudy weather. For the Middle and Eastern States and the Lower Lakes, northeasterly winds, partly cloudy weather. For the Upper Lakes, westerly winds and cloudy weather.

Cautionary signals continue at Chicago, Grand Haven, Milwaukee, Duluth, Detroit, Toledo, and Cleveland.

FACTS—7.35 A. M., (*following the above "Probabilities."*)

WIND AND WEATHER.

(1.) *Clear.*—At Augusta, calm; Detroit, wind S., light; Charleston and Norfolk, wind SW., gentle; Jacksonville, Lynchburg, and Lake City, wind S., gentle; Punta Rassa, wind NE., gentle; San Francisco, wind NW., gentle; Key West, wind E., fresh; Louisville, wind S., fresh; Savannah and Wilmington, wind SW., fresh.

(2.) *Fair.*—At Knoxville, Montgomery, Toledo, and Quebec, calm; Boston, wind NW., gentle; Nashville, wind S., gentle; Portland, Me., wind N., gentle; Cincinnati and Milwaukee, wind SW., gentle; Pittsburgh, wind W., gentle; Galveston, Shreveport, and Saint Louis, wind SE., fresh; New York, wind NE., fresh; Keokuk, Memphis, and Indianapolis, wind S., fresh; Eastport, wind N., fresh; Chicago, wind N., brisk; Philadelphia, wind NE., brisk.

(3.) *Cloudy.*—At Mobile, wind SE., light; Burlington, wind N., light; Baltimore, La Crosse, Montreal, and Washington, wind NE., gentle; New Orleans, wind SE., gentle; Duluth, wind SW., gentle; Cape May and Stanley, wind NE., fresh; Cleveland and Davenport, wind SW., fresh; Pembina and Saint Paul, wind NW., fresh; Fort Gibson, wind SE., fresh; Corinne, wind NW., brisk; Omaha, wind N., brisk; Grand Haven, wind SW., brisk; Saugeen, wind SE., brisk; Buffalo, Kingston, and Toronto, wind E., brisk.

(4.) *Rainy.*—At Alpena and Oswego, wind SE., fresh; New London, wind N., fresh; Rochester, wind NE., brisk.

(5.) *Snowy.*—At Cheyenne, wind N., gentle.

GENERAL REMARKS AS TO VERIFICATIONS.

The above "Probabilities" were generally verified, except "for the Middle and Eastern States and the Lower Lakes, northeasterly winds and partly cloudy weather," and "for the Upper Lakes, westerly winds and partly cloudy weather," partly verified; "cautionary signals for Duluth, Detroit, Toledo, and Cleveland," not verified.

WASHINGTON, D. C.,
SATURDAY, *April* 5, 1873—11 *p. m.*

SYNOPSIS.

The area of lowest barometer, that was Friday night in Iowa, has extended over the Lakes, and generally disappeared as a storm-centre. The pressure has fallen somewhat over the Lower Lakes and the South Atlantic States; it continues highest in the latter. Local storm-centres of minor importance have been reported from the Lower Lake region and the Middle Atlantic States. Southeasterly winds, with cloudy weather, have prevailed in the Southwest. Southwest winds, with clear weather, in the South Atlantic States and Ohio Valley. Southeasterly winds in the Middle and Eastern States, with rain in Maryland and New Jersey. The temperature has risen especially over the Lower Lakes and New York State. It has fallen in the Northwest and the Missouri Valley, with northerly winds and cloudy weather.

PROBABILITIES.

The barometer continue rising on Sunday over the Southern and Middle States, with southwesterly winds and generally clear weather. Increasing northeasterly winds prevail in New England, and for a short time in New York; cloudy weather continue in the former and threatening weather in the latter. For the Lower Lakes, easterly winds continue during Sunday morning, followed by westerly winds and clearing weather by evening.

Cautionary signals continue at Milwaukee, Chicago, and Grand Haven.

FACTS—7.35 A. M., (*following the above "Probabilities."*)

WIND AND WEATHER.

(1.) *Clear.*—At Lake City, wind SE., gentle; Charleston and Savannah, wind SW., fresh; Jacksonville, wind S., fresh.

(2.) *Fair.*—At Augusta, Lynchburg, and Saint Paul, calm; Pittsburgh, wind SE., light; Detroit, wind SE., gentle; Norfolk and Wilmington, wind SW., gentle; Mobile, wind S., gentle; Kingston, Key West, and Punta Rassa, wind E., fresh; Duluth and Indianapolis, wind NW., fresh; Memphis, wind SW., fresh; Louisville, wind S., fresh.

(3.) *Cloudy.*—At Buffalo, Cleveland, Knoxville, Montgomery, Portland, Me., and Toledo, calm; Philadelphia, wind NE., light; Boston, wind E., gentle; Pembina, wind NW., gentle; Baltimore, Galveston, New Orleans, and New London, wind SE., fresh; New York, Washington, and Saint Louis, wind E., fresh; La Crosse and Milwaukee, wind NE., fresh; Cincinnati and Nashville, wind SW., fresh; Burlington, wind S., fresh; Chicago, wind N., fresh; Breckenridge, wind N., brisk; Oswego, wind SE., brisk.

(4.) *Rainy.*—At Toronto, calm; Stanley, wind NE., light; Montreal, wind E., gentle; Dover, wind S., gentle; Omaha, wind N., fresh.

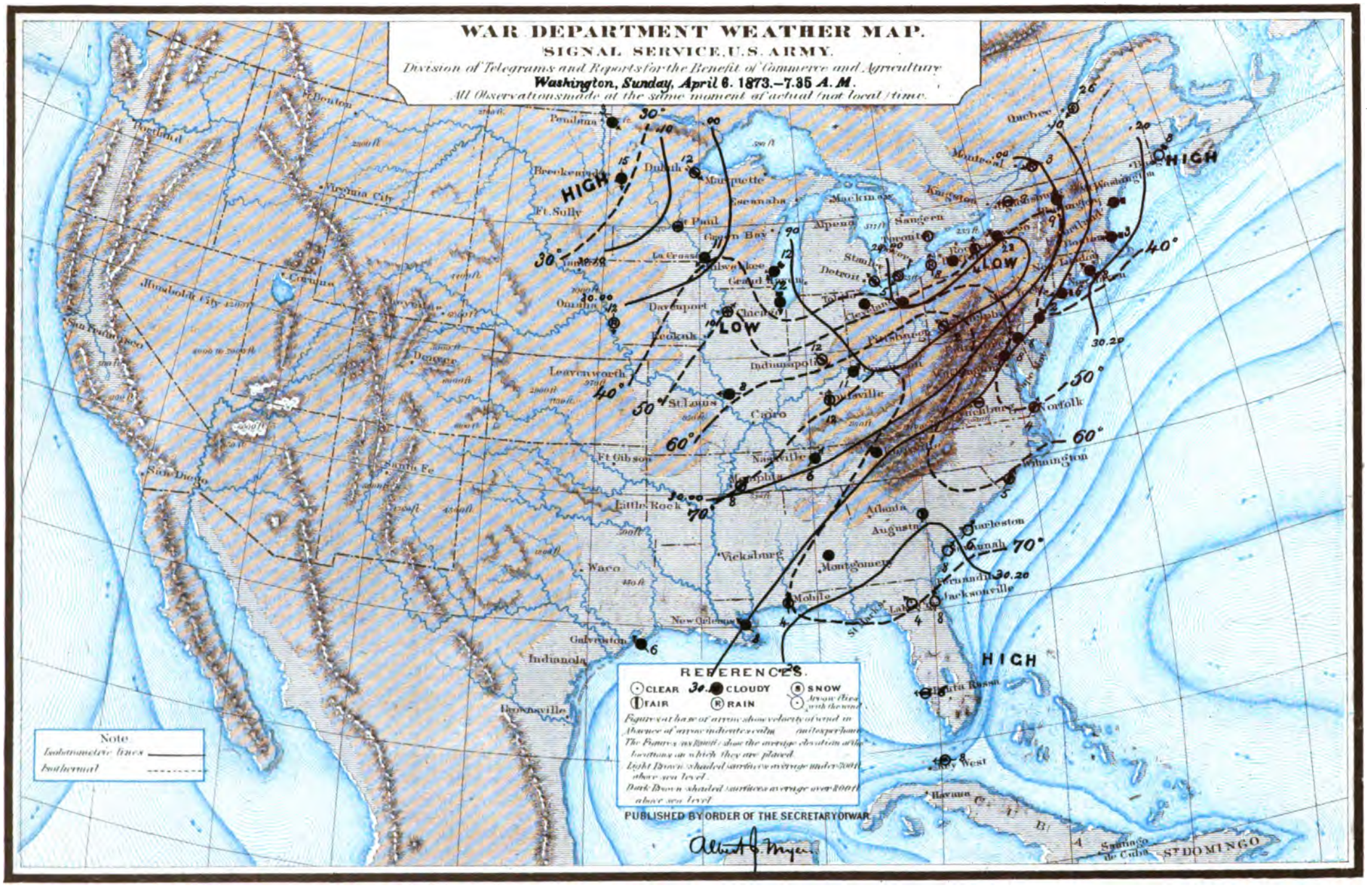
(5.) *Snowy.*—At Quebec, wind NE., brisk.

GENERAL REMARKS AS TO VERIFICATIONS.

The above "Probabilities" were generally verified, except "on Sunday over the Southern and Middle States, northwesterly winds and generally clear weather," and "increasing northeasterly winds prevail in New England and cloudy weather continue," partly verified; "for the Lower Lakes, clearing weather by evening," and "cautionary signals for Milwaukee, Chicago, and Grand Haven," not verified.

METEOROLOGICAL RECORD, APRIL 6, 1873—7.35 A. M.

Place of observation.	Barometer.	Thermometer.	Relative humidity, per cent.	Wind.		Clouds.			Rain-fall in last 8 hours.	State of the weather.
				Direction.	Velocity.	Amount of lower.	Amount of upper.	Direction of upper.		
*Alpena, Mich	29.88	37	90	N. W.	6	4-4			.19	Light rain.
Augusta, Ga	30.21	67	69	Calm.	0	Smoky	0			Fair.
Baltimore, Md	30.16	46	81	S. E.	8	4-4				Cloudy.
Boston, Mass	30.22	41	70	E.	3	0	4-4			Cloudy.
Breckenridge, Minn	30.16	30	83	N.	15	4-4				Cloudy.
Buffalo, N. Y	29.86	46	84	Calm.	0	4-4			.01	Cloudy.
Burlington, Vt	30.01	40	64	S.	9	4-4				Threatening.
*Cairo, Ill	29.96	74	64	S. E.	7	1-4	2-4	W.		Cloudy.
*Cape May, N. J	30.15	42	91	E.	7	4-4			.04	Threatening.
Charleston, S. C	30.17	67	84	S. W.	6	0	1-4			Clear.
*Cheyenne, Wyo	29.90	19	92	N.	8	4-4			.09	Light snow.
Chicago, Ill	29.93	40	82	N.	12	4-4			.37	Cloudy.
Cincinnati, Ohio	29.93	73	55	S. W.	11	2-4	2-4	N. W.		Cloudy.
Cleveland, Ohio	29.89	60	88	Calm.	0	4-4				Threatening.
*Corinne, Utah	30.08	26	63	N. W.	20	1-4	Hazy.			Fair.
Davenport, Iowa	29.89	55	93	S. W.	10	4-4			.10	Light rain.
*Denver, Colo	29.98	22	100	N.	10	4-4			.08	Light snow.
Detroit, Mich	29.86	47	96	S. E.	5	3-4	0			Clearing.
Duluth, Minn	30.05	38	72	N. W.	12	0	2-4	N. W.		Fair.
Eastport, Me	30.27	34	71	N. E.	8	4-4				Cloudy.
*Escanaba, Mich	29.96	38	81	N.	12	4-4				Cloudy.
*Fort Benton, Mont	30.34	23	86	W.	6	0	3-4	W.		Fair.
Fort Garry, Manitoba	30.07	28	94	N. W.	7	2-4	2-4	N. W.		Cloudy.
*Fort Gibson, I. T	29.80	73	63	S. E.	6	2-4	1-4	S.		Fair.
*Fort Sully, Dak	30.28	30	78	N. W.	8	4-4				Cloudy.
Galveston, Tex	30.02	71	90	S. E.	6	Hazy	3-4			Cloudy.
*Grand Haven, Mich	29.87	41	91	S. W.	8	Fog			.33	Foggy.
Indianapolis, Ind	29.96	62	88	N. W.	12	1-4	1-4	S. W.	.15	Clearing.
*Indianola, Tex	29.97	71	92	S. E.	13	1-4	3-4	S. W.		Cloudy.
Jacksonville, Fla	30.23	70	75	S.	8	0	0			Clear.
*Keokuk, Iowa	29.88	56	93	Calm.	0	4-4			1.33	Heavy rain.
Key West, Fla	30.18	77	52	E.	8	0	1-4	E.		Fair.
Kingston, Canada	29.92	39	94	E.	9	4-4			.18	Clearing.
Knoxville, Tenn	30.14	66	68	Calm.	0	Hazy	4-4			Cloudy.
La Crosse, Wis	29.99	41	74	N. E.	11	4-4				Cloudy.
Lake City, Fla	30.23	70	75	S. E.	4	0	0			Clear.
*Leavenworth, Kans	29.74	50	93	N. E.	14	3-4	1-4	N. E.	.90	Light rain.
Louisville, Ky	29.94	73	59	S.	12	1-4	1-4			Fair.
Lynchburg, Va	30.11	53	86	Calm.	0	Smoky	2-4	S. W.		Fair.
*Marquette, Mich	30.01	26	80	N. W.	8	4-4				Cloudy.
Memphis, Tenn	29.77	72	71	S. W.	8	0	2-4	S. W.		Fair.
Milwaukee, Wis	29.90	37	95	N. E.	12	4-4				Threatening.
Mobile, Ala	30.21	70	90	S.	4	1-4	1-4	S. W.		Fair.
Montgomery, Ala	30.19	66	78	Calm.	0	0	4-4	N. W.		Cloudy.
Montreal, Canada	29.98	37	80	E.	3	4-4				Light rain.
*Mount Washington, N. H	30.08	28	88	S. W.	16	4-4				Cloudy.
Nashville, Tenn	30.04	73	55	S. W.	6	2-4	2-4	W.		Cloudy.
New London, Conn	30.23	40	77	S. E.	8	4-4				Cloudy.
New Orleans, La	30.12	70	90	S. E.	8	4-4				Cloudy.
New York, N. Y	30.18	40	82	E.	6	4-4				Cloudy.
Norfolk, Va	30.11	56	74	S. W.	4	0	Hazy			Fair.
Omaha, Nebr	29.93	36	100	N.	12	4-4			.15	Light rain.
Oswego, N. Y	29.95	41	83	S. E.	29	4-4			.16	Cloudy.
Pembina, Dak	30.14	30	83	N. W.	3	4-4				Cloudy.
Philadelphia, Pa	30.18	47	87	N. E.	2	4-4			.04	Threatening.
Pittsburgh, Pa	29.94	64	53	S. E.	2	Fog	3-4		.01	Fair.
Port Dover, Canada	29.96	35	100	S.	3	4-4			.03	Light rain.
Port Stanley, Canada	29.95	37	99	N. E.	1	4-4			.02	Light rain.
Portland, Me	30.19	39	72	Calm.	0	2-4	2-4	S. W.		Cloudy.
*Portland, Oreg	30.59	35	80	Calm.	0	Fog				Foggy.
Punta Rassa, Fla	30.24	71	71	E.	6	0	1-4	S. E.		Fair.
Quebec, Canada	30.16	30	100	N. E.	26	4-4			.01	Hail.
Rochester, N. Y	29.88	48	92	S.	4	1-4	2-4	S. W.	.16	Fair.
*San Diego, Cal	30.20	42	67	N. E.	8	0	1-4			Clear.
*San Francisco, Cal	30.35	45	76	Calm.	0	0	0			Clear.
*Santa Fé, N. Mex	29.66	28	43	N.	12	0	0			Clear.
*Saugeen, Canada	29.88	45	92	S.	9	4-4			.21	Light rain.
Savannah, Ga	30.21	72	71	S. W.	8	Smoky	0			Clear.
*Shreveport, La	29.99	71	85	S.	16	3-4	1-4	W.		Cloudy.
Saint Louis, Mo	29.90	61	82	E.	8	2-4	2-4	S. W.	.04	Cloudy.
Saint Paul, Minn	30.08	34	71	Calm.	0	0	1-4	W.		Fair.
Toledo, Ohio	29.84	56	87	Calm.	0	Fog	2-4	W.	.12	Cloudy.
Toronto, Canada	29.96	36	98	Calm.	0	Fog			.21	Heavy rain.
*Vicksburg, Miss	30.11	70	90	S. E.	4	0	1-4			Fair.
Virginia City, Mont										
Washington, D. C	30.13	47	81	E.	8	4-4			.06	Cloudy.
Wilmington, N. C	30.13	69	80	S. W.	5	2-4	0			Fair.
*Yankton, D. T	29.93	33	89	N.	12	4-4				Cloudy.


WAR DEPARTMENT WEATHER MAP.
SIGNAL SERVICE, U.S. ARMY.
Division of Telegrams and Reports for the Benefit of Commerce and Agriculture
Washington, Sunday, April 6. 1873.—7.35 A. M.
All Observations made at the same moment of actual (not local) time.
HIGH
LOW
LOW
HIGH
HIGH
REFERENCES.
CLEAR
CLOUDY
SNOW
FAIR
RAIN
Figures at base of arrows show velocity of wind in miles per hour
Note
Isobarometric lines
Isothermal
PUBLISHED BY ORDER OF THE SECRETARY OF WAR.
Albert J. Myer
Portland
Virginia City
Humboldt City
San Francisco
Deseret
Santa Fe
San Diego
Fort Benton
Pembina
Duluth
Marquette
Escanaba
Mackinaw
Green Bay
Milwaukee
Chicago
Davenport
Keokuk
Omaha
Leavenworth
St. Louis
Cairo
Indianapolis
Cleveland
Detroit
Toronto
Alpena
Sangerin
Kingston
Montreal
Quebec
Boston
Norfolk
Wilmington
Charleston
Savannah
Jacksonville
Atlanta
Augusta
Nashville
Memphis
Little Rock
Fort Gibson
Vicksburg
Montgomery
Mobile
New Orleans
Galveston
Indianola
Brownsville
Waco
Key West
Havana
Santiago de Cuba
ST DOMINGO

WASHINGTON, D. C.,
SUNDAY, *April* 6, 1873—7.35 *a. m.*

SYNOPSIS.

The barometer has risen very generally since Saturday morning over the Northwest and Missouri Valley, and also over New England. The pressure has varied considerably over the Lake region and Middle Atlantic States, and several small local disturbances have been reported from these regions. Areas of high barometer now exist in Maine, in Florida, and in Dakota. Southerly winds prevail in the Southern States, with partly cloudy weather; easterly winds on the Middle and East Atlantic coast, with threatening weather; easterly winds, with rain, over the Lower Lakes; cold northwest winds, with cloudy weather, in the extreme Northwest. The barometer has risen quite high, with clear weather, on the Pacific coast. The temperature has risen slightly in the Southern and Eastern States, and decidedly over Lake Ontario; it has fallen over Lake Michigan and Iowa.

PROBABILITIES.

During the rest of Sunday local storms will probably be experienced on Southern Lake Michigan, Lakes Erie and Ontario, and Eastern Pennsylvania, and New Jersey. For the interior of New England and the Saint Lawrence Valley, falling barometer, easterly winds, threatening and rainy weather. For the Lower Lakes and Middle States, easterly winds, veering to south, with cloudy weather and possibly light rain. For the Ohio Valley and Upper Lakes, and westward, continued cold northerly winds, increasing possibly to brisk on Lake Michigan. For the Southern States, light southwesterly winds, with increasing cloudiness and falling barometer.

Cautionary signals continue at Milwaukee, Chicago, and Grand Haven, and are ordered for New York, New Haven, New London, Wood's Hole, Boston, Portland, Me., and Eastport.

FACTS—4.35 P. M., (*following the above "Probabilities."*)

WIND AND WEATHER.

(1.) *Clear.*—At Portland, Oreg., wind NW., light; Charleston, wind SW., fresh; Jacksonville and Savannah, wind S., fresh; Lake City, wind W., fresh; San Francisco, wind N., fresh.

(2.) *Fair.*—At Keokuk, calm; Stanley, wind SW., light; Toronto, wind E., light; Buffalo, wind NW., light; Kingston, wind N., gentle; Norfolk, wind E., gentle; Mobile, New Orleans, Nashville, and Lynchburg, wind S., fresh; Corinne and Pittsburgh, wind N., fresh; Punta Rassa and Augusta, wind SW., fresh; Cheyenne, wind N., brisk; Saint Louis, wind NW., brisk.

(3.) *Cloudy.*—At Dover and Saint Paul, calm; Baltimore, wind SE., gentle; Cleveland, wind W., gentle; Cincinnati, wind SW., gentle; Escanaba and Marquette, wind N., gentle; Montgomery, Washington, and Oswego, wind S., gentle; Burlington, Philadelphia, and Shreveport, wind S., fresh; Duluth and Indianapolis, wind N., fresh; New York, wind E., fresh; Breckenridge, wind N., brisk; Louisville, wind SE., brisk; Knoxville, wind S., brisk; Wilmington and Memphis, wind SW., brisk.

(4.) *Rainy.*—At Chicago and New London, calm; Montreal, wind E., light; Boston, wind S., gentle; Detroit, wind E., gentle; Rochester, wind NW., gentle; Portland, Me., wind SE., gentle; Milwaukee, wind N., fresh; Toledo, wind W., fresh; Omaha, wind N., brisk.

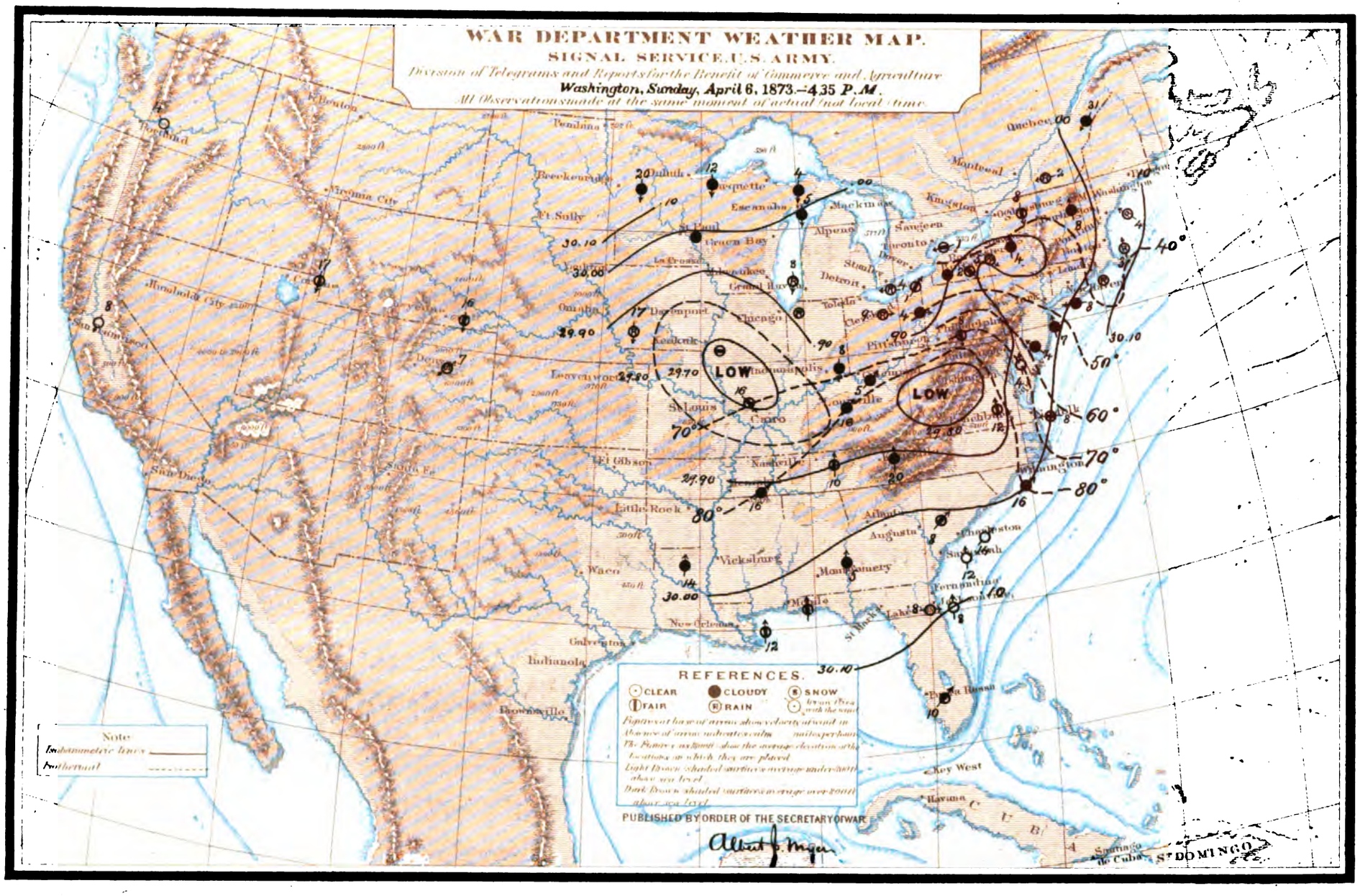
(5.) *Snowy.*—At Denver, wind NE., fresh.

GENERAL REMARKS AS TO VERIFICATIONS.

The above "Probabilities" were generally verified, except "for the Ohio Valley and Upper Lakes, continued cold northerly winds," partly verified; "cautionary signals for Milwaukee, Chicago, Grand Haven, New York, New Haven, New London, Wood's Hole, Boston, Portland, Me., and Eastport," not verified.

METEOROLOGICAL RECORD, APRIL 6, 1873—4.35 P. M.

Place of observation.	Barometer.	Thermometer.	Relative humidity, per cent.	Wind.		Clouds.			Rain-fall in last 8 hours.	State of the weather.
				Direction.	Velocity.	Amount of lower.	Amount of upper.	Direction of upper.		
*Alpena, Mich	29.95	45	76	E.	4	4-4			.03	Cloudy.
Augusta, Ga	30.05	89	24	S. W.	8	0	2-4	W.		Fair.
Baltimore, Md	29.97	56	72	S. E.	4	2-4	2-4	N. W.		Cloudy.
Boston, Mass	30.09	43	75	S.	3	4-4				Light rain.
Breckenridge, Minn	30.12	59	80	N.	20	4-4				Cloudy.
Buffalo, N. Y	29.85	50	96	N. W.	2	Fog			.20	Foggy.
Burlington, Vt	29.96	40	73	S.	8	4-4			.21	Threatening.
*Cairo, Ill	29.83	80	48	S. W.	16	1-4	3-4	S. W.		Cloudy.
*Cape May, N. J	30.02	47	85	S. E.	6	4-4				Threatening.
Charleston, S. C	30.05	81	52	S. W.	14	0	0			Clear.
Cheyenne, Wyo	30.03	24	74	N.	16	0	2-4	N.		Fair.
Chicago, Ill	29.94	40	73	Calm.	0	4-4			.35	Heavy rain.
Cincinnati, Ohio	29.84	83	54	S. W.	5	2-4	1-4	W.		Threatening.
Cleveland, Ohio	29.94	54	93	W.	4	4-4			.23	Cloudy.
Corinne, Utah	30.15	38	41	N.	17	Smoky	2-4	N. W.		Fair.
Davenport, Iowa	29.76	61	88	S. E.	18	2-4			.73	Clearing.
Denver, Colo	30.11	26	88	N. E.	7	4-4			.08	Light snow.
Detroit, Mich	29.86	53	80	E.	4	4-4				Light rain.
Duluth, Minn	29.99	42	66	N.	12	4-4				Cloudy.
*Eastport, Me	30.16	36	61	Calm.	0	4-4				Cloudy.
Escanaba, Mich	29.99	42	66	N.	5	4-4				Cloudy.
*Fort Benton, Mont	30.37	37	48	N. W.	12	4-4				Cloudy.
*Fort Garry, Manitoba	30.09	32	67	N. W.	19	2-4	2-4	N. W.		Cloudy.
*Fort Gibson, Ind. T	29.87	66	86	E.	6	4-4	1-4	S. W.	.24	Heavy rain.
*Fort Sully, Dak	30.27	34	62	N.	29	4-4			.03	Light snow.
*Galveston, Tex	29.93	75	81	S. E.	12	Hazy	4-4	S. W.		Cloudy.
*Grand Haven, Mich	29.92	41	83	Calm.	0	4-4	Hazy			Threatening.
Indianapolis, Ind	29.83	72	58	N.	8	2-4	2-4	S. W.		Cloudy.
*Indianola, Texas	29.89	78	80	S.	18	4-4				Cloudy.
Jacksonville, Fla	30.12	88	31	S.	8	0	0			Clear.
Keokuk, Iowa	29.68	64	89	Calm.	0	0	2-4	S. W.	1.06	Fair.
*Key West, Fla	30.12	81	52	E.	15	0	1-4	E.		Fair.
Kingston, Canada	29.99	40	97	N.	3	Fog			.10	Foggy.
Knoxville, Tenn	29.96	83	23	S.	20	Hazy	4-4	W.		Cloudy.
*La Crosse, Wis	29.92	42	91	N. E.	7	4-4			.08	Light rain.
Lake City, Fla	30.09	88	49	W.	8	0	0			Clear.
*Leavenworth, Kans	29.72	52	86	N. W.	12	4-4			.13	Cloudy.
Louisville, Ky	29.80	86	39	S. E.	16	0	4-4	W.		Cloudy.
Lynchburg, Va	29.85	85	41	S.	12	Smoky	2-4	S. W.		Fair.
Marquette, Mich	30.03	34	90	N.	4	4-4				Cloudy.
Memphis, Tenn	29.93	82	42	S. W.	16	0	4-4	S. W.		Cloudy.
Milwaukee, Wis	29.97	35	96	N.	8	4-4				Light rain.
Mobile, Ala	30.16	78	69	S.	11	0	2-4	S. W.		Fair.
Montgomery, Ala	30.06	87	30	S.	5	0	4-4	S. W.		Cloudy.
Montreal, Canada	29.90	37	90	E.	2	4-4			.30	Light rain.
*Mount Washington, N. H	30.00	26	88	S. W.	17	4-4			.15	Light rain.
Nashville, Tenn	29.91	84	40	S.	10	0	2-4	N. W.		Fair.
New London, Conn	30.09	38	88	Calm.	0	4-4			.29	Heavy rain.
New Orleans, La	30.07	79	61	S.	12	0	2-4	S. E.		Fair.
New York, N. Y	30.07	43	83	E.	8	4-4				Threatening.
Norfolk, Va	30.00	65	60	E.	8	0	3-4			Fair.
Omaha, Nebr	29.83	40	95	N.	17	4-4			.17	Light rain.
Oswego, N. Y	29.78	45	80	S.	4	4-4			.04	Threatening.
*Pembina, Dak	30.15	34	61	N. W.	5	0	2-4	N.		Fair.
Philadelphia, Pa	29.99	54	80	S.	7	4-4				Cloudy.
Pittsburgh, Pa	29.82	80	51	N.	8	0	2-4			Fair.
Port Dover, Canada	29.93	43	92	Calm.	0	0	4-4	W.	.14	Cloudy.
Port Stanley, Canada	29.94	43	92	S. W.	1	Fog			.09	Foggy.
Portland, Me	30.09	37	100	S. E.	4	4-4			.03	Light rain.
Portland, Oreg	30.62	54	43	N. W.	4	0	1-4			Clear.
Punta Rassa, Fla	30.15	81	55	S. W.	10	0	1-4			Fair.
Quebec, Canada	30.09	30	89	N. E.	31	4-4				Cloudy.
Rochester, N. Y	29.92	44	92	N. W.	5	4-4			.07	Light rain.
*San Diego, Cal	30.19	59	53	N. W.	23	0	1-4	E.		Fair.
San Francisco, Cal	30.40	61	28	N.	8	0	0			Clear.
*Santa Fé, N. Mex	29.62	41	32	S. W.	5	0	1-4			Fair.
*Saugeen, Canada	29.95	35	100	Calm.	0	4-4				Foggy.
Savannah, Ga	30.08	85	40	S.	12	Hazy	0			Clear.
Shreveport, La	29.91	82	56	S.	14	0	4-4	S.		Cloudy.
Saint Louis, Mo	29.74	75	47	N. W.	16	1-4	2-4	S.		Fair.
Saint Paul, Minn	29.97	44	59	Calm.	0	4-4				Cloudy.
Toledo, Ohio	29.89	68	67	W.	9	4-4			.04	Light rain.
Toronto, Canada	29.92	40	95	E.	1	Fog			.10	Foggy.
*Vicksburg, Miss	30.02	84	46	S.	8	0	2-4	W.		Fair.
Virginia City, Mont										
Washington, D. C	29.93	70	52	S.	4	4-4				Cloudy.
Wilmington, N. C	30.00	84	46	S. W.	16	Hazy	4-4			Cloudy.
*Yankton, Dak	30.02	32	92	N.	29	4-4			.13	Light snow.


WAR DEPARTMENT WEATHER MAP.
SIGNAL SERVICE, U.S. ARMY.
Division of Telegrams and Reports for the Benefit of Commerce and Agriculture
Washington, Sunday, April 6, 1873.—4.35 P.M.
All Observations made at the same moment of actual (not local) time.
LOW
LOW
REFERENCES.
CLEAR
CLOUDY
SNOW
FAIR
RAIN
PUBLISHED BY ORDER OF THE SECRETARY OF WAR.
Note
Barometric lines
Isothermal
Portland
Boston
Pembina
Quebec
Montreal
Kingston
Toronto
Sandwich
Mackinac
Alpena
Detroit
Toledo
Cleveland
Pittsburgh
Philadelphia
New York
Washington
Norfolk
Charleston
Savannah
Fernandina
Key West
Havana
Santiago de Cuba
St DOMINGO
Brookings
Yankton
Omaha
Dubuque
Keokuk
Chicago
Milwaukee
Green Bay
Marquette
Escanaba
St Paul
Leavenworth
St Louis
Cairo
Indianapolis
Louisville
Nashville
Memphis
Little Rock
Vicksburg
Mobile
New Orleans
Galveston
Indianola
Brownsville
Wacon
Montgomery
Atlanta
Augusta
Fort Gibson
Fort Sully
Fort Benton
Virginia City
Humboldt City
Sacramento
San Diego
Santa Fe
Denver
Cheyenne
Fort Colville
Fort Canby
Port Townsend
Lake Huron
St Mark's
Lake Ontario
Lake Erie
Lake Michigan
Lake Superior
CUBA
30.10
30.00
29.90
29.80
29.70
29.60
29.90
30.10
40°
50°
60°
70°
80°

WASHINGTON, D. C.,
SUNDAY, *April* 6, 1873—4.35 *p. m.*

SYNOPSIS.

The several small areas of low barometer, which existed Saturday afternoon over Iowa, the Lower Lakes, and Middle States, after diminishing or disappearing during the night, are now represented by corresponding local disturbances in nearly the same sections of the country. The barometer has risen, but again fallen in New England, and to a less extent in the South Atlantic States; it has risen steadily in the Northwest, and thence to Colorado, so far as this section has been heard from, with cold northerly winds and light rain or cloud. The area of southwest winds and warm weather is now confined to the regions south of Pennsylvania and the Ohio River. South and east winds, with rain, now prevail in New England. Local rains, with variable winds, over the Lower Lakes. The rivers have fallen at Nashville, Louisville, and Cincinnati; they have risen at Pittsburgh and Saint Louis.

PROBABILITIES.

The barometer continue low on Monday over Lake Ontario and New York, but very generally rise over the Upper Lakes and Ohio Valley. Easterly winds, with cloud and rain, continue in New England and over a portion of the Middle Atlantic coast. Southwesterly winds and partly cloudy weather continue in the South Atlantic States. Cold northerly winds and cloudy weather prevail from the Upper Lakes southward to Kentucky and westward to the Rocky Mountains.

Cautionary signals continue at Milwaukee, Chicago, Grand Haven, Eastport, Portland, Me., and Boston. Current reports are very generally missing from the Rocky Mountain and Pacific coast stations, the Southwest, the Northwest, and Michigan.

FACTS—11 P. M., (*following the above "Probabilities."*)

WIND AND WEATHER.

(1.) *Clear.*—At Memphis, wind SW., light; San Francisco, wind NW., light; Cincinnati, wind NE., light; Charleston and Savannah, wind SW., fresh; Cheyenne, wind NW., fresh; New Orleans, wind SE., fresh; Corinne, wind N., brisk.

(2.) *Fair.*—At Buffalo, Lynchburg, Pittsburgh, and Toronto, calm; Davenport, wind SE., light; Wilmington, wind SW., light; Chicago, wind NE., gentle; Louisville and Mobile, wind S., fresh; Milwaukee and New York, wind NE., fresh; Indianapolis, wind E., fresh.

(3.) *Cloudy.*—At Augusta, Denver, Kingston, Oswego, and Portland, Me., calm; Detroit, wind NE., light; Nashville, wind S., light; Saugeen, wind NW., light; Burlington, Montgomery, and Norfolk, wind S., gentle; Baltimore, wind SE., gentle; Keokuk, wind W., fresh; Philadelphia and Washington, wind E., fresh; Omaha, wind NW., brisk; Quebec, wind NE., brisk.

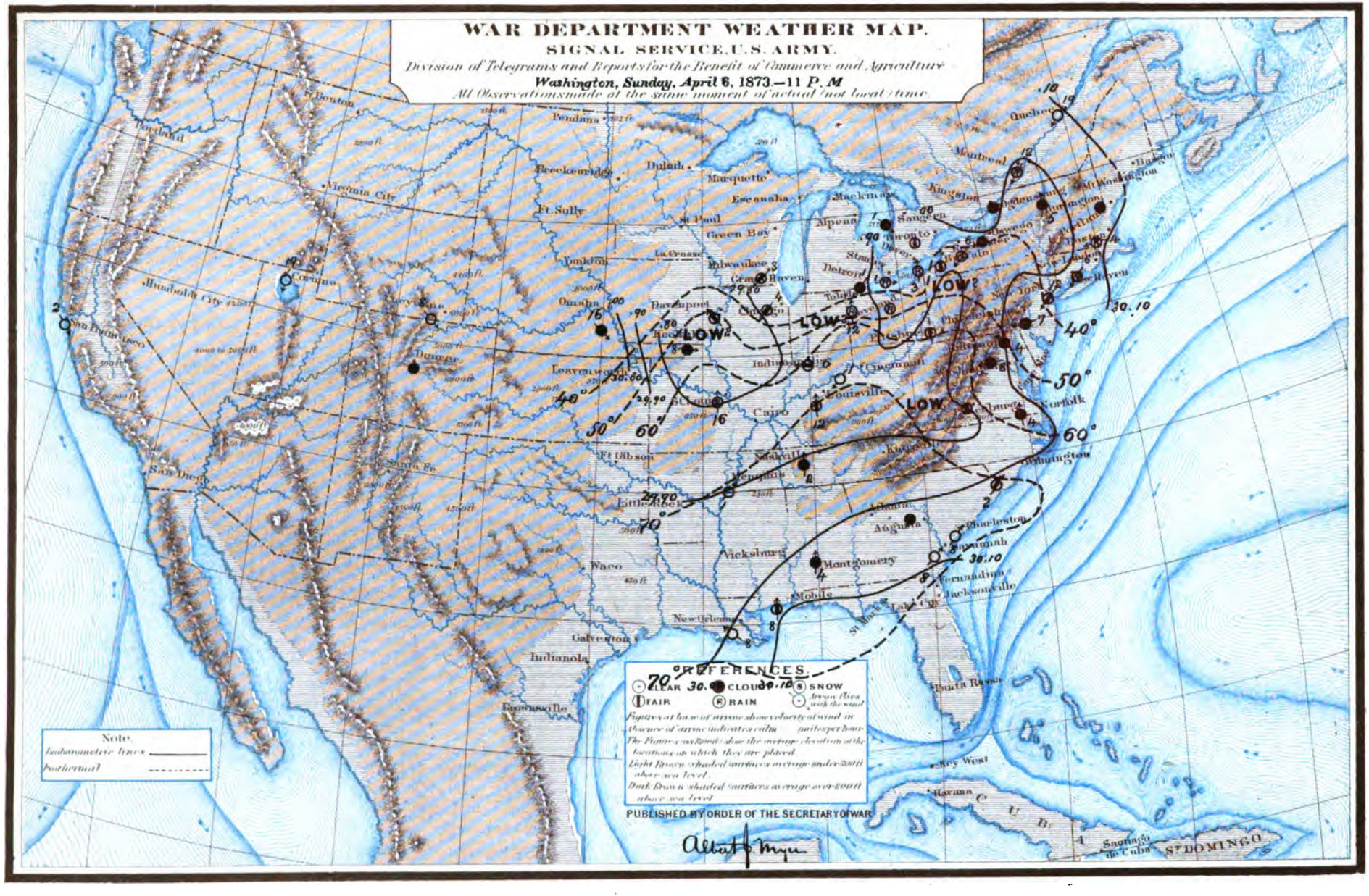
(4.) *Rainy.*—At Cleveland, calm; Stanley, wind W., light; Dover, wind S., gentle; Boston, wind E., gentle; Montreal, New London, and Rochester, wind NE., fresh; Toledo, wind S., fresh; Saint Louis, wind S., brisk.

GENERAL REMARKS AS TO VERIFICATIONS.

The above "Probabilities" were generally verified, except "the barometer very generally rise over the Ohio Valley," and "cautionary signals for Eastport, Portland, Me., and Boston," not verified.

METEOROLOGICAL RECORD, APRIL 6, 1873—11 P. M.

Place of observation.	Barometer.	Thermometer.	Relative humidity, per cent.	Wind.		Clouds.			Rain-fall in last 8 hours.	State of the weather.
				Direction.	Velocity.	Amount of lower.	Amount of upper.	Direction of upper.		
*Alpena, Mich	29.97	37	90	S. E.	11	Fog				Foggy.
Augusta, Ga	30.07	73	50	Calm.	0	2-4	2-4			Cloudy.
Baltimore, Md	30.00	52	83	S. E.	4	4-4				Threatening.
Boston, Mass	30.11	39	91	E.	4	4-4			.05	Light rain.
*Breckenridge, Minn	30.18	30	78	N.	20	3-4	Hazy			Cloudy.
Buffalo, N. Y	29.88	47	92	Calm.	0	Fog			.01	Foggy.
Burlington, Vt	29.99	39	80	S.	5	4-4				Threatening.
*Cairo, Ill	29.83	74	86	S.	4	0	2-4			Fair.
*Cape May, N. J	30.03	46	100	E.	5	Fog	0			Threatening.
Charleston, S. C	30.09	69	79	S. W.	8	0	0			Clear.
Cheyenne, Wyo	30.14	6		N. W.	8	0	0			Clear.
Chicago, Ill	29.80	40	82	N. E.	4	Fog			.31	Foggy.
Cincinnati, Ohio	29.86	73	67	N. E.	1	Smoky	1-4		.15	Clear.
Cleveland, Ohio	29.94	55	93	Calm.	0	4-4			.05	Light rain.
Corinne, Utah	30.25	33	51	N.	19	0	0			Clear.
Davenport, Iowa	29.68	59	88	S. E.	2	Hazy	2-4	S. W		Fair.
Denver, Colo	30.24	18	68	Calm.	0	2-4	2-4	N.		Cloudy.
Detroit, Mich	29.89	40	100	N. E.	1	4-4				Cloudy.
*Duluth, Minn	29.97	37	80	N.	8	4-4				Cloudy.
*Eastport, Me	30.14	34	80	Calm.	0	4-4				Cloudy.
*Escanaba, Mich	29.89	35	80	N.	18	4-4			.01	Light rain.
*Fort Benton, Mont	30.40	29	67	Calm.	0	0	1-4	N. W.		Fair.
*Fort Garry, Manitoba	30.15	28	82	N.	6	2-4	2-4	N. W.		Cloudy.
*Fort Gibson, Ind. T	30.05	50	72	N. W.	12	4-4			.01	Clearing.
*Fort Sully, Dak	30.36	32	79	N. W.	11	4-4			.01	Cloudy.
*Galveston, Tex	29.91	72	90	S. E.	12	Fog	3-4	S. W.		Cloudy.
*Grand Haven, Mich	29.76	39	73	S. W.	4	4-4			.06	Cloudy.
Indianapolis, Ind	29.85	65	78	E.	6	0	2-4	W.	.19	Fair.
*Indianola, Tex	29.88	73	90	S. E.	18	4-4				Cloudy.
*Jacksonville, Fla	30.15	71	53	S. E.	4	0	0			Clear.
Keokuk, Iowa	29.74	−59	82	W.	8	4-4				Cloudy.
*Key West, Fla	30.15	76	59	E.	11	0	3-4	E.		Fair.
Kingston, Canada	30.04	30	98	Calm.	0	4-4			.02	Cloudy.
*Knoxville, Tenn	29.96	73	36	W.	5	4-4				Cloudy.
*La Crosse, Wis	29.81	39	95	N. E.	4	4-4			.12	Light rain.
*Lake City, Fla	30.12	70	81	W.	4	0	0			Clear.
*Leavenworth, Kans	30.00	40	82	N. W.	16	4-4				Cloudy.
Louisville, Ky	29.86	77	53	S.	12	0	4-4			Fair.
Lynchburg, Va	29.89	68	72	Calm.	0	Hazy	Hazy			Fair.
*Marquette, Mich	29.96	33	89	N. W.	8	4-4				Cloudy.
Memphis, Tenn	29.93	74	63	S. W.	1	0	1-4	S. W.		Clear.
Milwaukee, Wis	29.78	34	100	N. E.	8	Fog			.06	Foggy.
Mobile, Ala	30.13	71	90	S.	8	0	4-4	S. W.		Fair.
Montgomery, Ala	30.08	73	50	S.	4	0	4-4	S. W.		Cloudy.
Montreal, Canada	29.96	35	79	N. E.	12	4-4			.09	Light rain
*Mount Washington, N. H	30.04	27	88	W.	41	4-4				Cloudy.
Nashville, Tenn	29.93	74	51	S.	2	4-4				Cloudy.
New London, Conn	30.02	37	100	N. E.	6	4-4				Light rain.
New Orleans, La	30.02	70	84	S. E.	8	0	0			Clear.
New York, N. Y	30.07	40	82	N. E.	12	Fog			.10	Foggy.
Norfolk, Va	29.98	60	82	S.	4	0	Hazy			Threatening.
Omaha, Nebr	30.08	35	90	N. W.	16	4-4			.02	Cloudy.
Oswego, N. Y	29.97	41	87	Calm.	0	4-4				Threatening.
*Pembina, Dak	30.21	30	78	N.	2	4-4				Cloudy.
Philadelphia, Pa	30.06	45	92	E.	7	4-4			.17	Cloudy.
Pittsburgh, Pa	29.90	65	78	Calm.	0	Fog	1-4	W.	.14	Fair.
Port Dover, Canada	29.96	38	100	S.	3	4-4			.02	Light rain.
Port Stanley, Canada	29.95	41	99	W.	1	4-4			.08	Light rain.
Portland, Me	30.08	35	89	Calm.	0	4-4			.04	Cloudy.
*Portland, Oreg	30.60	48	78	Calm.	0	0	1-4			Clear.
*Punta Rassa, Fla	30.19	72	80	Calm.	0	0	0			Clear.
Quebec, Canada	30.09	30	100	N. E.	19	4-4				Cloudy.
Rochester, N. Y	29.97	40	91	N. E.	6	4-4			.07	Light rain.
*San Diego, Cal	30.23	54	62	Calm.	0	0	0			Clear.
San Francisco, Cal	30.42	54	43	N. W.	2	0	0			Clear.
*Santa Fé, N. Mex	29.61	31	30	N. E.	10	0	0			Clear.
Saugeen, Canada	29.97	35	100	N. W.	1	4-4				Cloudy.
Savannah, Ga	30.11	70	75	S. W.	8	0	1-4			Clear.
*Shreveport, La	29.89	74	76	S. E.	11	0	2-4	S.		Fair.
Saint Louis, Mo	29.81	64	83	S.	16	4-4			.61	Light rain.
*Saint Paul, Minn	29.96	34	100	N.	16	4-4			.30	Sleet.
Toledo, Ohio	29.81	61	88	S.	12	4-4				Heavy rain.
Toronto, Canada	29.95	41	100	Calm.	0	Fog			.20	Foggy.
*Vicksburg, Miss	29.99	76	72	S.	8	0	2-4	S. W.		Fair.
Virginia City, Mont										
Washington, D. C	29.98	53	80	E.	8	3-4	1-4	N. W.		Cloudy.
Wilmington, N. C	30.03	74	51	S. W.	2	0	2-4	W.		Fair.
*Yankton, Dak	30.17	30	92	N.	30	4-4			.08	Light snow.


WAR DEPARTMENT WEATHER MAP.
SIGNAL SERVICE, U.S. ARMY.
Division of Telegrams and Reports for the Benefit of Commerce and Agriculture
Washington, Sunday, April 6, 1873.—11 P. M
All Observations made at the same moment of actual (not local) time.
Note.
Isobarometric lines
Isothermal
REFERENCES
CLEAR
CLOUD
SNOW
FAIR
RAIN
Arrow flies with the wind
Figures at base of arrow show velocity of wind in miles per hour
Absence of arrow indicates calm
The Figures (as 2000 ft) show the average elevation of the locations on which they are placed.
Light Brown shaded surfaces average under 2000 ft above sea level.
Dark Brown shaded surfaces average over 2000 ft above sea level
PUBLISHED BY ORDER OF THE SECRETARY OF WAR
LOW
Boston
Portland
Pembina
Breckenridge
Dulah
Marquette
Escanaba
Mackinaw
Ft. Sully
St Paul
Green Boy
La Crosse
Milwaukee
Yankton
Omaha
Davenport
Chicago
Toledo
Detroit
Alpena
Toronto
Kingston
Montreal
Quebec
Ogdensburg
Burlington
Mt Washington
Portland
New Haven
New York
Philadelphia
Baltimore
Norfolk
Washington
Richmond
Cincinnati
Indianapolis
Louisville
Cairo
St Louis
Leavenworth
Denver
Cheyenne
Humboldt City
San Francisco
San Diego
Santa Fe
Ft Gibson
Nashville
Memphis
Little Rock
Atlanta
Augusta
Charleston
Savannah
Vicksburg
Montgomery
Mobile
Waco
New Orleans
Galveston
Indianola
Brownsville
Jacksonville
Key West
Havana
Cuba
Santiago de Cuba
St DOMINGO
Punta Rassa
Lake City
St Mary's
Note.
Isobarometric lines
Isothermal

WASHINGTON, D. C.,
SUNDAY, *April* 6, 1873—11 *p. m.*

SYNOPSIS.

The low barometer, that was on Saturday night over the Lower Missouri Valley, and the local depressions over the Lower Lakes and Middle Atlantic States, remain without material change, the entire region from the Middle States to the Upper Mississippi having continued to experience numerous small local showers, with occasional brisk winds. Easterly winds, with light rain, have prevailed in New England, with low temperature. The area of warm southerly winds is now confined to the Eastern Gulf and South Atlantic States, with partly cloudy and clear weather. Light northeasterly winds and calms are now reported from the Lower Lakes. The barometer has risen decidedly, and is now quite high in Oregon and California, with clear weather and northwest winds. It has risen to a less extent, with very cold weather, at the Rocky Mountain stations, so far as heard from. It is rising, with cold northerly winds, over Lake Superior, the Northwest, and in Nebraska.

PROBABILITIES.

The area of lowest barometer continue on Monday moving slowly eastward over the Lower Lakes and the Middle States, with falling temperature. For the South Atlantic States, increasing cloudiness and southwesterly winds. For the Middle and Eastern States, easterly winds, veering to southwest in Virginia, with generally cloudy weather and light rain. For the Lower Lakes, cloudy weather, with light rain. For the Upper Lakes and the Missouri Valley, rising barometer, falling temperature, cloudy and clearing weather, with northerly winds. Midnight reports are missing from the Southwest, the Upper Lakes, and Northwest, and most of the Rocky Mountain stations.

FACTS—7.35 A. M., (*following the above "Probabilities."*)

WIND AND WEATHER.

(1.) *Clear.*—At Jacksonville, calm; Cheyenne, wind NW., fresh; Punta Rassa, wind E., fresh; Charleston, wind SW., fresh.

(2.) *Fair.*—At Buffalo and Toledo, calm; Nashville, wind S., light; Eastport, wind SE., light; Rochester, wind S., light; Boston, wind E., gentle; Detroit and Lynchburg, wind NW., gentle; Dover, Montgomery, Shreveport, and Pittsburgh, wind SE., gentle; Baltimore, wind NE., gentle; Norfolk, wind SW., gentle; Alpena, Key West, and New Orleans, wind SE., fresh; Wilmington and Savannah, wind SW., fresh; Cape May and Philadelphia, wind NE., fresh; Chicago, wind SW., brisk; Grand Haven, wind SE., brisk.

(3.) *Cloudy.*—At Augusta, Louisville, and Portland, Me., calm; Burlington, wind S., light; Quebec, wind E., light; Keokuk, wind W., light; Kingston, Washington, and New London, wind NE., gentle; Lake City, wind NW., gentle; Mobile, wind S., gentle; Knoxville and Oswego, wind S., fresh; New York and Toronto, wind E., fresh; Davenport, wind NW., fresh; Galveston and Memphis, wind SE., fresh; Indianapolis, wind SW., fresh; Omaha, wind NW., brisk.

(4.) *Rainy.*—At Cleveland, calm; Cincinnati, wind NW., light; Montreal, wind NE., gentle; Milwaukee, wind S., fresh; Saint Louis, wind NW., brisk.

(5.) *Snowy.*—At Saint Paul, wind NW., brisk.

GENERAL REMARKS AS TO VERIFICATIONS.

The above "Probabilities" were generally verified, except "for the Middle States, light rain," partly verified; "Lower Lakes and Middle States, falling temperature," and "for South Atlantic States, increasing cloudiness," not verified.

WASHINGTON, D. C.,
SUNDAY, *April* 6, 1873—7.35 *a. m.*

SYNOPSIS.

The barometer has risen very generally since Saturday morning over the Northwest and Missouri Valley, and also over New England. The pressure has varied considerably over the Lake region and Middle Atlantic States, and several small local disturbances have been reported from these regions. Areas of high barometer now exist in Maine, in Florida, and in Dakota. Southerly winds prevail in the Southern States, with partly cloudy weather; easterly winds on the Middle and East Atlantic coast, with threatening weather; easterly winds, with rain, over the Lower Lakes; cold northwest winds, with cloudy weather, in the extreme Northwest. The barometer has risen quite high, with clear weather, on the Pacific coast. The temperature has risen slightly in the Southern and Eastern States, and decidedly over Lake Ontario; it has fallen over Lake Michigan and Iowa.

PROBABILITIES.

During the rest of Sunday local storms will probably be experienced on Southern Lake Michigan, Lakes Erie and Ontario, and Eastern Pennsylvania, and New Jersey. For the interior of New England and the Saint Lawrence Valley, falling barometer, easterly winds, threatening and rainy weather. For the Lower Lakes and Middle States, easterly winds, veering to south, with cloudy weather and possibly light rain. For the Ohio Valley and Upper Lakes, and westward, continued cold northerly winds, increasing possibly to brisk on Lake Michigan. For the Southern States, light southwesterly winds, with increasing cloudiness and falling barometer.

Cautionary signals continue at Milwaukee, Chicago, and Grand Haven, and are ordered for New York, New Haven, New London, Wood's Hole, Boston, Portland, Me., and Eastport.

FACTS—4.35 P. M., (*following the above "Probabilities."*)

WIND AND WEATHER.

(1.) *Clear.*—At Portland, Oreg., wind NW., light; Charleston, wind SW., fresh; Jacksonville and Savannah, wind S., fresh; Lake City, wind W., fresh; San Francisco, wind N., fresh.

(2.) *Fair.*—At Keokuk, calm; Stanley, wind SW., light; Toronto, wind E., light; Buffalo, wind NW., light; Kingston, wind N., gentle; Norfolk, wind E., gentle; Mobile, New Orleans, Nashville, and Lynchburg, wind S., fresh; Corinne and Pittsburgh, wind N., fresh; Punta Rassa and Augusta, wind SW., fresh; Cheyenne, wind N., brisk; Saint Louis, wind NW., brisk.

(3.) *Cloudy.*—At Dover and Saint Paul, calm; Baltimore, wind SE., gentle; Cleveland, wind W., gentle; Cincinnati, wind SW., gentle; Escanaba and Marquette, wind N., gentle; Montgomery, Washington, and Oswego, wind S., gentle; Burlington, Philadelphia, and Shreveport, wind S., fresh; Duluth and Indianapolis, wind N., fresh; New York, wind E., fresh; Breckenridge, wind N., brisk; Louisville, wind SE., brisk; Knoxville, wind S., brisk; Wilmington and Memphis, wind SW., brisk.

(4.) *Rainy.*—At Chicago and New London, calm; Montreal, wind E., light; Boston, wind S., gentle; Detroit, wind E., gentle; Rochester, wind NW., gentle; Portland, Me., wind SE., gentle; Milwaukee, wind N., fresh; Toledo, wind W., fresh; Omaha, wind N., brisk.

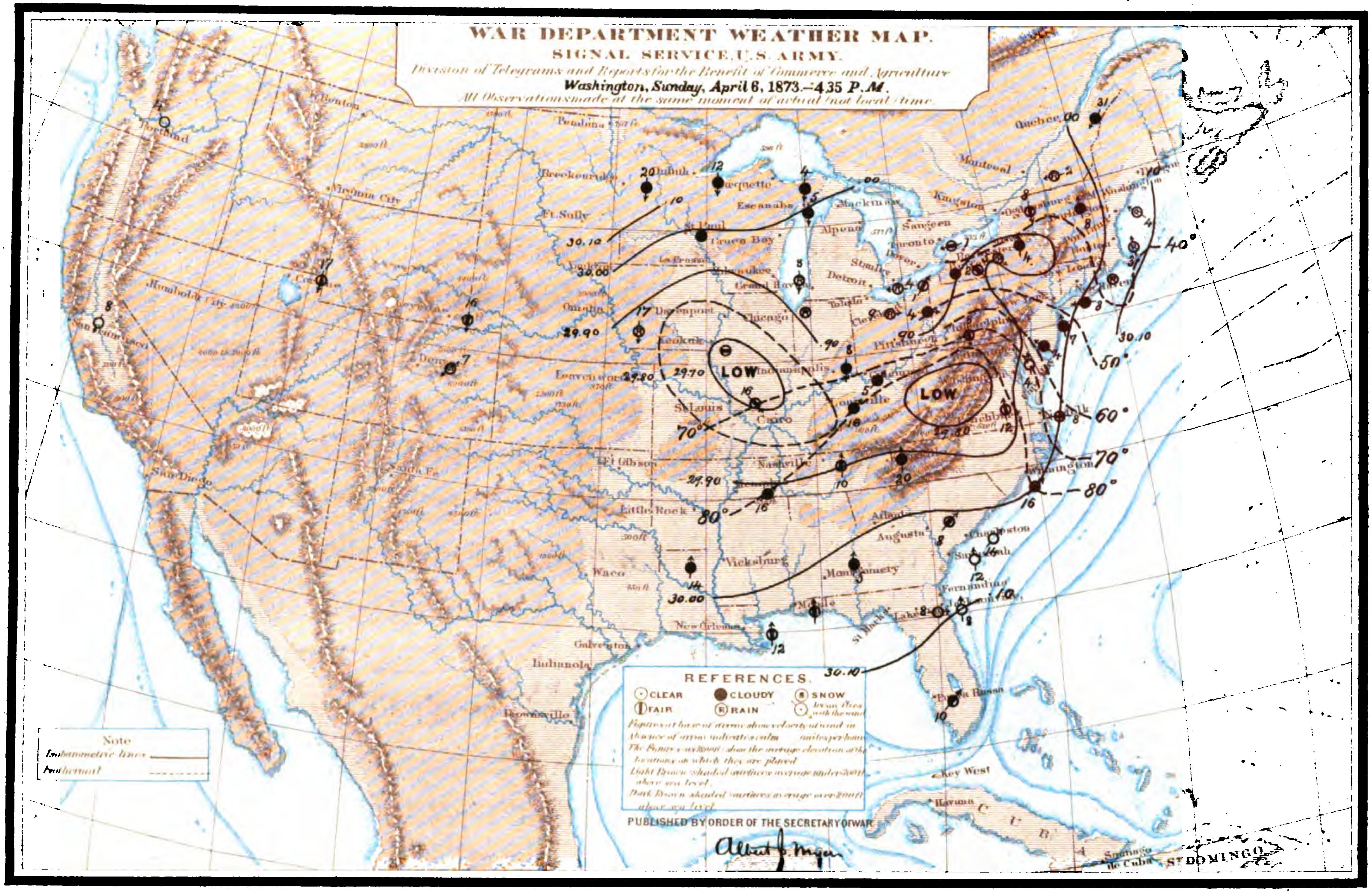
(5.) *Snowy.*—At Denver, wind NE., fresh.

GENERAL REMARKS AS TO VERIFICATIONS.

The above "Probabilities" were generally verified, except "for the Ohio Valley and Upper Lakes, continued cold northerly winds," partly verified; "cautionary signals for Milwaukee, Chicago, Grand Haven, New York, New Haven, New London, Wood's Hole, Boston, Portland, Me., and Eastport," not verified.

METEOROLOGICAL RECORD, APRIL 6, 1873—4.35 P. M.

Place of observation.	Barometer.	Thermometer.	Relative humidity, per cent.	Wind.		Clouds.			Rain-fall in last 8 hours.	State of the weather.
				Direction.	Velocity.	Amount of lower.	Amount of upper.	Direction of upper.		
*Alpena, Mich	29.95	45	76	E.	4	4-4	.....	.....	.03	Cloudy.
Augusta, Ga	30.05	69	24	S. W.	8	0	2-4	W.	.....	Fair.
Baltimore, Md	29.97	56	72	S. E.	4	2-4	2-4	N. W.	.....	Cloudy.
Boston, Mass	30.09	43	75	S.	3	4-4	.....	.....	.....	Light rain.
Breckenridge, Minn	30.12	59	80	N.	20	4-4	.....	.....	.....	Cloudy.
Buffalo, N. Y	29.85	50	96	N. W.	2	Fog	.....	.....	.20	Foggy.
Burlington, Vt	29.96	40	73	S.	8	4-4	.....	.....	.21	Threatening.
*Cairo, Ill	29.83	80	48	S. W.	16	1-4	3-4	S. W.	.....	Cloudy.
*Cape May, N. J	30.02	47	85	S. E.	6	4-4	.....	.....	.....	Threatening.
Charleston, S. C	30.05	81	52	S. W.	14	0	0	.....	.....	Clear.
Cheyenne, Wyo	30.03	24	74	N.	16	0	2-4	N.	.....	Fair.
Chicago, Ill	29.94	40	73	Calm.	0	4-4	.....	.....	.35	Heavy rain.
Cincinnati, Ohio	29.84	63	54	S. W.	5	2-4	1-4	W.	.....	Threatening.
Cleveland, Ohio	29.94	54	93	W.	4	4-4	.....	.....	.23	Cloudy.
Corinne, Utah	30.15	38	41	N.	17	Smoky	2-4	N. W.	.....	Fair.
Davenport, Iowa	29.76	61	88	S. E.	18	2-4	.....	.....	.73	Clearing.
Denver, Colo	30.11	26	88	N. E.	7	4-4	.....	.....	.08	Light snow.
Detroit, Mich	29.86	53	80	E.	4	4-4	.....	.....	.....	Light rain.
Duluth, Minn	29.99	42	66	N.	12	4-4	.....	.....	.....	Cloudy.
*Eastport, Me	30.16	36	61	Calm.	0	4-4	.....	.....	.....	Cloudy.
Escanaba, Mich	29.99	42	66	N.	5	4-4	.....	.....	.....	Cloudy.
*Fort Benton, Mont	30.37	37	48	N. W.	12	4-4	.....	.....	.....	Cloudy.
*Fort Garry, Manitoba	30.09	32	67	N. W.	19	2-4	2-4	N. W.	.....	Cloudy.
*Fort Gibson, Ind. T	29.87	66	86	E.	6	4-4	1-4	S. W.	.24	Heavy rain.
*Fort Sully, Dak	30.27	34	62	N.	29	4-4	.....	.....	.03	Light snow.
*Galveston, Tex	29.93	75	81	S. E.	12	Hazy	4-4	S. W.	.....	Cloudy.
*Grand Haven, Mich	29.92	41	83	Calm.	0	4-4	Hazy	.....	.....	Threatening.
Indianapolis, Ind	29.83	72	58	N.	8	2-4	2-4	S. W.	.....	Cloudy.
*Indianola, Texas	29.89	78	80	S.	18	4-4	.....	.....	.....	Cloudy.
Jacksonville, Fla	30.12	88	31	S.	8	0	0	.....	.....	Clear.
Keokuk, Iowa	29.68	64	89	Calm.	0	0	2-4	S. W.	1.06	Fair.
*Key West, Fla	30.12	81	52	E.	15	0	1-4	E.	.....	Fair.
Kingston, Canada	29.99	40	97	N.	3	Fog	.....	.....	.10	Foggy.
Knoxville, Tenn	29.96	63	23	S.	20	Hazy	4-4	W.	.....	Cloudy.
*La Crosse, Wis	29.92	42	91	N. E.	7	4-4	.....	.....	.08	Light rain.
Lake City, Fla	30.09	88	49	W.	8	0	0	.....	.....	Clear.
*Leavenworth, Kans	29.72	52	86	N. W.	12	4-4	.....	.....	.13	Cloudy.
Louisville, Ky	29.80	66	39	S. E.	16	0	4-4	W.	.....	Cloudy.
Lynchburg, Va	29.85	85	41	S.	12	Smoky	2-4	S. W.	.....	Fair.
Marquette, Mich	30.03	34	90	N.	4	4-4	.....	.....	.....	Cloudy.
Memphis, Tenn	29.93	82	42	S. W.	16	0	4-4	S. W.	.....	Cloudy.
Milwaukee, Wis	29.97	35	96	N.	8	4-4	.....	.....	.....	Light rain.
Mobile, Ala	30.16	78	69	S.	11	0	2-4	S. W.	.....	Fair.
Montgomery, Ala	30.06	87	30	S.	5	0	4-4	S. W.	.....	Cloudy.
Montreal, Canada	29.90	37	90	E.	2	4-4	.....	.....	.30	Light rain.
*Mount Washington, N. H	30.00	26	88	S. W.	17	4-4	.....	.....	.15	Light rain.
Nashville, Tenn	29.91	84	40	S.	10	0	2-4	N. W.	.....	Fair.
New London, Conn	30.09	38	88	Calm.	0	4-4	.....	.....	.29	Heavy rain.
New Orleans, La	30.07	79	61	S.	12	0	2-4	S. E.	.....	Fair.
New York, N. Y	30.07	43	83	E.	8	4-4	.....	.....	.....	Threatening.
Norfolk, Va	30.00	65	60	E.	8	0	3-4	.....	.....	Fair.
Omaha, Nebr	29.83	40	95	N.	17	4-4	.....	.....	.17	Light rain.
Oswego, N. Y	29.78	45	80	S.	4	4-4	.....	.....	.04	Threatening.
*Pembina, Dak	30.15	34	61	N. W.	5	0	2-4	N.	.....	Fair.
Philadelphia, Pa	29.99	54	80	S.	7	4-4	.....	.....	.....	Cloudy.
Pittsburgh, Pa	29.82	60	51	N.	8	0	2-4	.....	.....	Fair.
Port Dover, Canada	29.93	43	92	Calm.	0	0	4-4	W.	.14	Cloudy.
Port Stanley, Canada	29.94	43	92	S. W.	1	Fog	.....	.....	.09	Foggy.
Portland, Me	30.09	37	100	S. E.	4	4-4	.....	.....	.03	Light rain.
Portland, Oreg	30.62	54	43	N. W.	4	0	1-4	.....	.....	Clear.
Punta Rassa, Fla	30.15	81	55	S. W.	10	0	1-4	.....	.....	Fair.
Quebec, Canada	30.09	30	89	N. E.	31	4-4	.....	.....	.....	Cloudy.
Rochester, N. Y	29.92	44	92	N. W.	5	4-4	.....	.....	.07	Light rain.
*San Diego, Cal	30.19	59	53	N. W.	23	0	1-4	E.	.....	Fair.
San Francisco, Cal	30.40	61	28	N.	8	0	0	.....	.....	Clear.
*Santa Fé, N. Mex	29.62	41	32	S. W.	5	0	1-4	.....	.....	Fair.
*Saugeen, Canada	29.95	35	100	Calm.	0	4-4	.....	.....	.....	Foggy.
Savannah, Ga	30.08	85	40	S.	12	Hazy	0	.....	.....	Clear.
Shreveport, La	29.91	82	56	S.	14	0	4-4	S.	.....	Cloudy.
Saint Louis, Mo	29.74	75	47	N. W.	16	1-4	2-4	S.	.....	Fair.
Saint Paul, Minn	29.97	44	59	Calm.	0	4-4	.....	.....	.....	Cloudy.
Toledo, Ohio	29.89	68	67	W.	9	4-4	.....	.....	.04	Light rain.
Toronto, Canada	29.92	40	95	E.	1	Fog	.....	.....	.10	Foggy.
*Vicksburg, Miss	30.02	84	46	S.	8	0	2-4	W.	.....	Fair.
Virginia City, Mont	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Washington, D. C	29.93	70	52	S.	4	4-4	.....	.....	.....	Cloudy.
Wilmington, N. C	30.00	84	46	S. W.	16	Hazy	4-4	.....	.....	Cloudy.
*Yankton, Dak	30.02	32	92	N.	29	4-4	.....	.....	.13	Light snow.


WAR DEPARTMENT WEATHER MAP.
SIGNAL SERVICE, U.S. ARMY.
Division of Telegrams and Reports for the Benefit of Commerce and Agriculture
Washington, Sunday, April 6, 1873.–4.35 P.M.
All Observations made at the same moment of actual (not local) time.
LOW
LOW
30.10
30.00
29.90
29.70
29.80
40°
50°
60°
70°
80°
REFERENCES.
CLEAR
FAIR
CLOUDY
RAIN
SNOW
Note
Isobarometric lines
Isothermal
PUBLISHED BY ORDER OF THE SECRETARY OF WAR
Quebec
Montreal
Kingston
Toronto
Detroit
Chicago
Davenport
Keokuk
St. Louis
Cairo
Nashville
Memphis
Little Rock
Vicksburg
New Orleans
Mobile
Montgomery
Augusta
Charleston
Savannah
Key West
Havana
Galveston
Indianola
Brownsville
Waco
Ft. Gibson
Leavenworth
Omaha
St. Paul
Green Bay
Milwaukee
La Crosse
Escanaba
Marquette
Duluth
Breckenridge
Ft. Sully
Pembina
Virginia City
Humboldt City
San Francisco
San Diego
Portland
Denver
Santa Fe
Cheyenne
Alpena
Saugeen
Pittsburg
Indianapolis
Louisville
Atlanta
Norfolk
Wilmington
Washington
Lynchburg
Philadelphia
Buffalo
Oswego
Rochester
Cleveland
Toledo
Grand Haven
Mackinaw
Punta Rassa
Fernandina
Lake City
Cuba
St. DOMINGO

WASHINGTON, D. C.,
SUNDAY, *April* 6, 1873—4.35 *p. m.*

SYNOPSIS.

The several small areas of low barometer, which existed Saturday afternoon over Iowa, the Lower Lakes, and Middle States, after diminishing or disappearing during the night, are now represented by corresponding local disturbances in nearly the same sections of the country. The barometer has risen, but again fallen in New England, and to a less extent in the South Atlantic States; it has risen steadily in the Northwest, and thence to Colorado, so far as this section has been heard from, with cold northerly winds and light rain or cloud. The area of southwest winds and warm weather is now confined to the regions south of Pennsylvania and the Ohio River. South and east winds, with rain, now prevail in New England. Local rains, with variable winds, over the Lower Lakes. The rivers have fallen at Nashville, Louisville, and Cincinnati; they have risen at Pittsburgh and Saint Louis.

PROBABILITIES.

The barometer continue low on Monday over Lake Ontario and New York, but very generally rise over the Upper Lakes and Ohio Valley. Easterly winds, with cloud and rain, continue in New England and over a portion of the Middle Atlantic coast. Southwesterly winds and partly cloudy weather continue in the South Atlantic States. Cold northerly winds and cloudy weather prevail from the Upper Lakes southward to Kentucky and westward to the Rocky Mountains.

Cautionary signals continue at Milwaukee, Chicago, Grand Haven, Eastport, Portland, Me., and Boston. Current reports are very generally missing from the Rocky Mountain and Pacific coast stations, the Southwest, the Northwest, and Michigan.

FACTS—11 P. M., (*following the above "Probabilities."*)

WIND AND WEATHER.

(1.) *Clear.*—At Memphis, wind SW., light; San Francisco, wind NW., light; Cincinnati, wind NE., light; Charleston and Savannah, wind SW., fresh; Cheyenne, wind NW., fresh; New Orleans, wind SE., fresh; Corinne, wind N., brisk.

(2.) *Fair.*—At Buffalo, Lynchburg, Pittsburgh, and Toronto, calm; Davenport, wind SE., light; Wilmington, wind SW., light; Chicago, wind NE., gentle; Louisville and Mobile, wind S., fresh; Milwaukee and New York, wind NE., fresh; Indianapolis, wind E., fresh.

(3.) *Cloudy.*—At Augusta, Denver, Kingston, Oswego, and Portland, Me., calm; Detroit, wind NE., light; Nashville, wind S., light; Saugeen, wind NW., light; Burlington, Montgomery, and Norfolk, wind S., gentle; Baltimore, wind SE., gentle; Keokuk, wind W., fresh; Philadelphia and Washington, wind E., fresh; Omaha, wind NW., brisk; Quebec, wind NE., brisk.

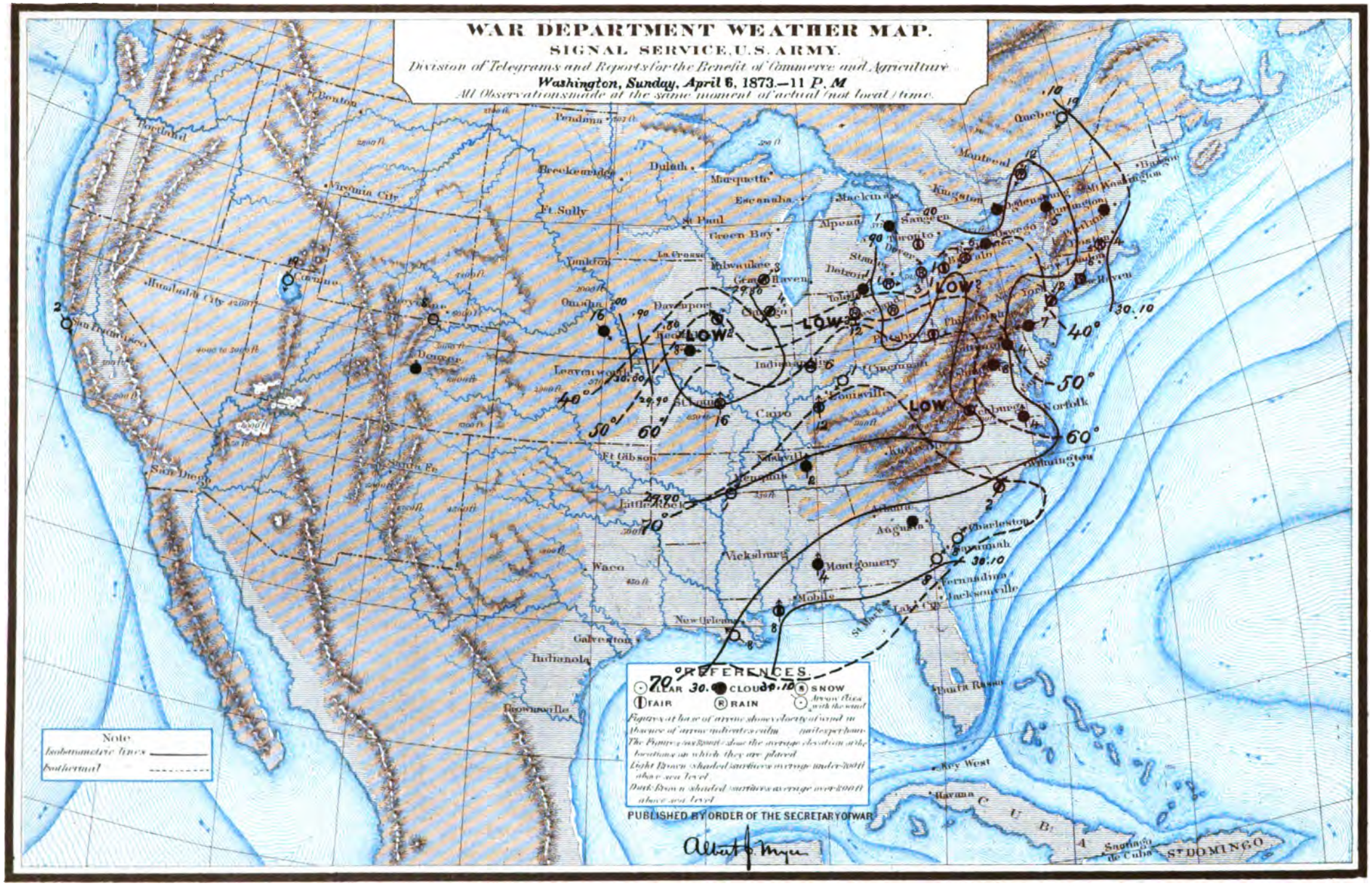
(4.) *Rainy.*—At Cleveland, calm; Stanley, wind W., light; Dover, wind S., gentle; Boston, wind E., gentle; Montreal, New London, and Rochester, wind NE., fresh; Toledo, wind S., fresh; Saint Louis, wind S., brisk.

GENERAL REMARKS AS TO VERIFICATIONS.

The above "Probabilities" were generally verified, except "the barometer very generally rise over the Ohio Valley," and "cautionary signals for Eastport, Portland, Me., and Boston," not verified.

METEOROLOGICAL RECORD, APRIL 6, 1873—11 P. M.

Place of observation.	Barometer.	Thermometer.	Relative humidity, per cent.	Wind.		Clouds.			Rain-fall in last 8 hours.	State of the weather.
				Direction.	Velocity.	Amount of lower.	Amount of upper.	Direction of upper.		
*Alpena, Mich	29.97	37	90	S. E.	11	Fog				Foggy.
Augusta, Ga	30.07	73	50	Calm.	0	2-4	2-4			Cloudy.
Baltimore, Md	30.00	52	83	S. E.	4	4-4				Threatening.
Boston, Mass	30.11	39	91	E.	4	4-4			.05	Light rain.
*Breckenridge, Minn	30.18	30	78	N.	20	3-4	Hazy			Cloudy.
Buffalo, N. Y	29.88	47	92	Calm.	0	Fog			.01	Foggy.
Burlington, Vt	29.99	39	80	S.	5	4-4				Threatening.
*Cairo, Ill	29.83	74	86	S.	4	0	2-4			Fair.
*Cape May, N. J	30.03	46	100	E.	5	Fog	0			Threatening.
Charleston, S. C	30.09	69	79	S. W.	8	0	0			Clear.
Cheyenne, Wyo	30.14	6		N. W.	8	0	0			Clear.
Chicago, Ill	29.80	40	82	N. E.	4	Fog			.31	Foggy.
Cincinnati, Ohio	29.86	73	67	N. E.	1	Smoky	1-4		.15	Clear.
Cleveland, Ohio	29.94	55	93	Calm.	0	4-4			.05	Light rain.
Corinne, Utah	30.25	33	51	N.	19	0	0			Clear.
Davenport, Iowa	29.68	59	88	S. E.	2	Hazy	2-4	S. W		Fair.
Denver, Colo	30.24	18	68	Calm.	0	2-4	2-4	N.		Cloudy.
Detroit, Mich	29.89	40	100	N. E.	1	4-4				Cloudy.
*Duluth, Minn	29.97	37	80	N.	8	4-4				Cloudy.
*Eastport, Me	30.14	34	80	Calm.	0	4-4				Cloudy.
*Escanaba, Mich	29.89	35	80	N.	18	4-4			.01	Light rain.
*Fort Benton, Mont	30.40	29	67	Calm.	0	0	1-4	N. W.		Fair.
*Fort Garry, Manitoba	30.15	28	82	N.	6	2-4	2-4	N. W.		Cloudy.
*Fort Gibson, Ind. T	30.05	50	72	N. W.	12	4-4			.01	Clearing.
*Fort Sully, Dak	30.36	32	79	N. W.	11	4-4			.01	Cloudy.
*Galveston, Tex	29.91	72	90	S. E.	12	Fog	3-4	S. W.		Cloudy.
*Grand Haven, Mich	29.76	39	73	S. W.	4	4-4			.06	Cloudy.
Indianapolis, Ind	29.85	65	78	E.	6	0	2-4	W.	.19	Fair.
*Indianola, Tex	29.88	73	90	S. E.	18	4-4				Cloudy.
*Jacksonville, Fla	30.15	71	53	S. E.	4	0	0			Clear.
Keokuk, Iowa	29.74	−59	82	W.	8	4-4				Cloudy.
*Key West, Fla	30.15	76	59	E.	11	0	3-4	E.		Fair.
Kingston, Canada	30.04	30	98	Calm.	0	4-4			.02	Cloudy.
*Knoxville, Tenn	29.96	73	36	W.	5	4-4				Cloudy.
*La Crosse, Wis	29.81	39	95	N. E.	4	4-4			.12	Light rain.
*Lake City, Fla	30.12	70	81	W.	4	0	0			Clear.
*Leavenworth, Kans	30.00	40	82	N. W.	16	4-4				Cloudy.
Louisville, Ky	29.86	77	53	S.	12	0	4-4			Fair.
Lynchburg, Va	29.89	68	72	Calm.	0	Hazy	Hazy			Fair.
*Marquette, Mich	29.96	33	89	N. W.	8	4-4				Cloudy.
Memphis, Tenn	29.93	74	63	S. W.	1	0	1-4	S. W.		Clear.
Milwaukee, Wis	29.78	34	100	N. E.	8	Fog			.06	Foggy.
Mobile, Ala	30.13	71	90	S.	8	0	4-4	S. W.		Fair.
Montgomery, Ala	30.08	73	50	S.	4	0	4-4	S. W.		Cloudy.
Montreal, Canada	29.96	35	79	N. E.	12	4-4			.09	Light rain
*Mount Washington, N. H	30.04	27	88	W.	41	4-4				Cloudy.
Nashville, Tenn	29.93	74	51	S.	2	4-4				Cloudy.
New London, Conn	30.02	37	100	N. E.	6	4-4				Light rain.
New Orleans, La	30.02	70	84	S. E.	8	0	0			Clear.
New York, N. Y	30.07	40	82	N. E.	12	Fog			.10	Foggy.
Norfolk, Va	29.98	60	82	S.	4	0	Hazy			Threatening.
Omaha, Nebr	30.08	35	90	N. W.	16	4-4			.02	Cloudy.
Oswego, N. Y	29.97	41	87	Calm.	0	4-4				Threatening.
*Pembina, Dak	30.21	30	78	N.	2	4-4				Cloudy.
Philadelphia, Pa	30.06	45	92	E.	7	4-4			.17	Cloudy.
Pittsburgh, Pa	29.90	65	78	Calm.	0	Fog	1-4	W.	.14	Fair.
Port Dover, Canada	29.96	38	100	S.	3	4-4			.02	Light rain.
Port Stanley, Canada	29.95	41	99	W.	1	4-4			.03	Light rain.
Portland, Me	30.08	35	89	Calm.	0	4-4			.04	Cloudy.
*Portland, Oreg	30.60	48	78	Calm.	0	0	1-4			Clear.
*Punta Rassa, Fla	30.19	72	80	Calm.	0	0	0			Clear.
Quebec, Canada	30.09	30	100	N. E.	19	4-4				Cloudy.
Rochester, N. Y	29.97	40	91	N. E.	6	4-4			.07	Light rain.
*San Diego, Cal	30.23	54	62	Calm.	0	0	0			Clear.
San Francisco, Cal	30.42	54	43	N. W.	2	0	0			Clear.
*Santa Fé, N. Mex	29.61	31	30	N. E.	10	0	0			Clear.
Saugeen, Canada	29.97	35	100	N. W.	1	4-4				Cloudy.
Savannah, Ga	30.11	70	75	S. W.	8	0	1-4			Clear.
*Shreveport, La	29.89	74	76	S. E.	11	0	2-4	S.		Fair.
Saint Louis, Mo	29.81	64	83	S.	16	4-4			.61	Light rain.
*Saint Paul, Minn	29.96	34	100	N.	16	4-4			.30	Sleet.
Toledo, Ohio	29.81	61	88	S.	12	4-4				Heavy rain.
Toronto, Canada	29.95	41	100	Calm.	0	Fog			.20	Foggy.
*Vicksburg, Miss	29.99	76	72	S.	8	0	2-4	S. W.		Fair.
Virginia City, Mont										
Washington, D. C	29.98	53	80	E.	8	3-4	1-4	N. W.		Cloudy.
Wilmington, N. C	30.03	74	51	S. W.	2	0	2-4	W.		Fair.
*Yankton, Dak	30.17	30	92	N.	30	4-4			.08	Light snow.


WAR DEPARTMENT WEATHER MAP.
SIGNAL SERVICE, U.S. ARMY.
Division of Telegrams and Reports for the Benefit of Commerce and Agriculture
Washington, Sunday, April 6, 1873.—11 P. M
All Observations made at the same moment of actual (not local) time.
LOW
REFERENCES.
CLEAR
CLOUD
SNOW
FAIR
RAIN
Note
Isobarometric lines
Isothermal
PUBLISHED BY ORDER OF THE SECRETARY OF WAR

WASHINGTON, D. C.,
SUNDAY, *April* 6, 1873—11 *p. m.*

SYNOPSIS.

The low barometer, that was on Saturday night over the Lower Missouri Valley, and the local depressions over the Lower Lakes and Middle Atlantic States, remain without material change, the entire region from the Middle States to the Upper Mississippi having continued to experience numerous small local showers, with occasional brisk winds. Easterly winds, with light rain, have prevailed in New England, with low temperature. The area of warm southerly winds is now confined to the Eastern Gulf and South Atlantic States, with partly cloudy and clear weather. Light northeasterly winds and calms are now reported from the Lower Lakes. The barometer has risen decidedly, and is now quite high in Oregon and California, with clear weather and northwest winds. It has risen to a less extent, with very cold weather, at the Rocky Mountain stations, so far as heard from. It is rising, with cold northerly winds, over Lake Superior, the Northwest, and in Nebraska.

PROBABILITIES.

The area of lowest barometer continue on Monday moving slowly eastward over the Lower Lakes and the Middle States, with falling temperature. For the South Atlantic States, increasing cloudiness and southwesterly winds. For the Middle and Eastern States, easterly winds, veering to southwest in Virginia, with generally cloudy weather and light rain. For the Lower Lakes, cloudy weather, with light rain. For the Upper Lakes and the Missouri Valley, rising barometer, falling temperature, cloudy and clearing weather, with northerly winds. Midnight reports are missing from the Southwest, the Upper Lakes, and Northwest, and most of the Rocky Mountain stations.

FACTS—7.35 A. M., (*following the above "Probabilities."*)

WIND AND WEATHER.

(1.) *Clear.*—At Jacksonville, calm; Cheyenne, wind NW., fresh; Punta Rassa, wind E., fresh; Charleston, wind SW., fresh.

(2.) *Fair.*—At Buffalo and Toledo, calm; Nashville, wind S., light; Eastport, wind SE., light; Rochester, wind S., light; Boston, wind E., gentle; Detroit and Lynchburg, wind NW., gentle; Dover, Montgomery, Shreveport, and Pittsburgh, wind SE., gentle; Baltimore, wind NE., gentle; Norfolk, wind SW., gentle; Alpena, Key West, and New Orleans, wind SE., fresh; Wilmington and Savannah, wind SW., fresh; Cape May and Philadelphia, wind NE., fresh; Chicago, wind SW., brisk; Grand Haven, wind SE., brisk.

(3.) *Cloudy.*—At Augusta, Louisville, and Portland, Me., calm; Burlington, wind S., light; Quebec, wind E., light; Keokuk, wind W., light; Kingston, Washington, and New London, wind NE., gentle; Lake City, wind NW., gentle; Mobile, wind S., gentle; Knoxville and Oswego, wind S., fresh; New York and Toronto, wind E., fresh; Davenport, wind NW., fresh; Galveston and Memphis, wind SE., fresh; Indianapolis, wind SW., fresh; Omaha, wind NW., brisk.

(4.) *Rainy.*—At Cleveland, calm; Cincinnati, wind NW., light; Montreal, wind NE., gentle; Milwaukee, wind S., fresh; Saint Louis, wind NW., brisk.

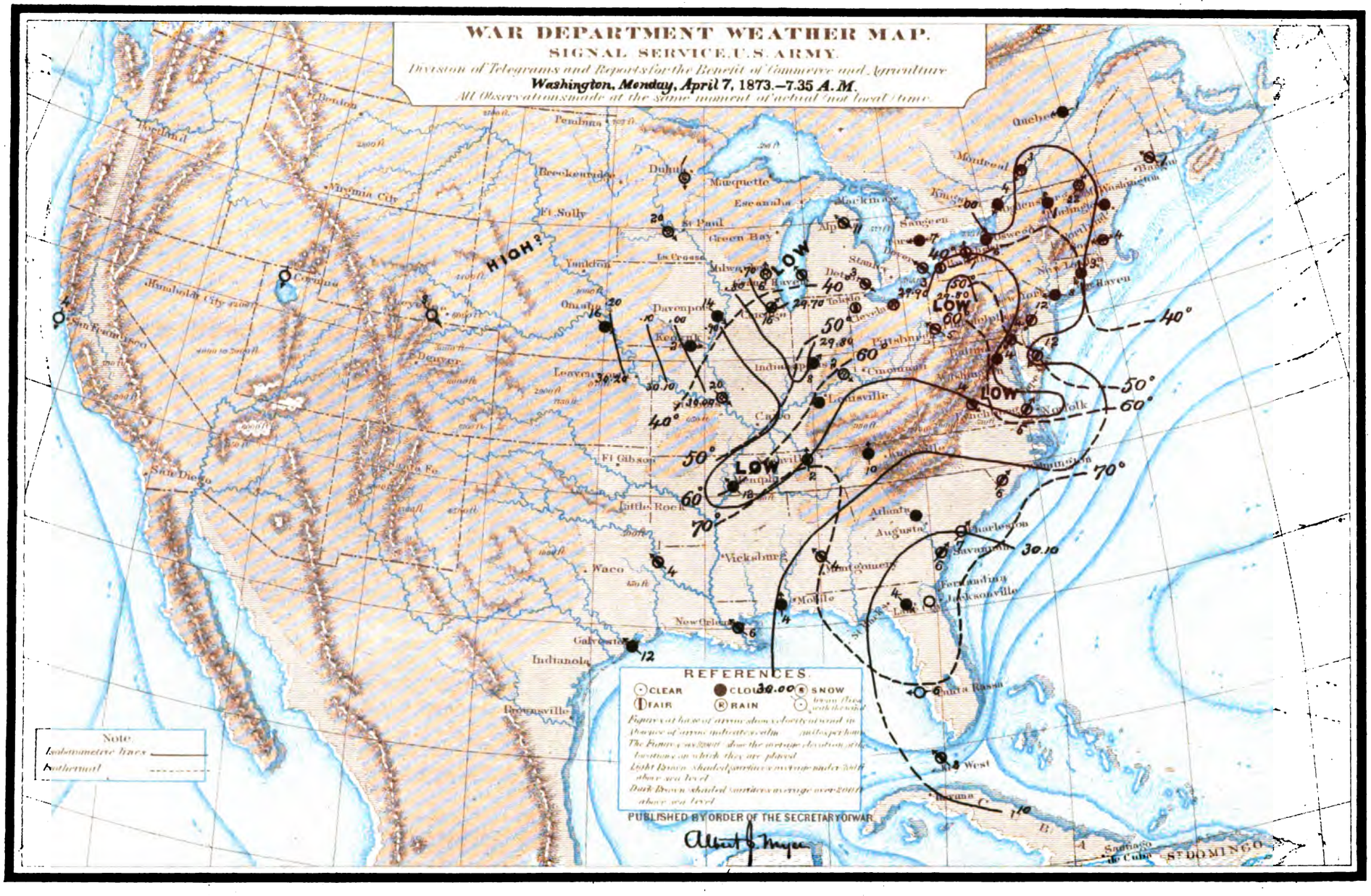
(5.) *Snowy.*—At Saint Paul, wind NW., brisk.

GENERAL REMARKS AS TO VERIFICATIONS.

The above "Probabilities" were generally verified, except "for the Middle States, light rain," partly verified; "Lower Lakes and Middle States, falling temperature," and "for South Atlantic States, increasing cloudiness," not verified.

METEOROLOGICAL RECORD, APRIL 7, 1873—7.35 A. M.

Place of observation.	Barometer.	Thermometer.	Relative humidity, per cent.	Wind.		Clouds.			Rain-fall in last 8 hours.	State of the weather.
				Direction.	Velocity.	Amount of lower.	Amount of upper.	Direction of upper.		
Alpena, Mich	29.80	36	90	S. E.	11	Fog				Foggy.
Augusta, Ga	30.10	66	68	Calm.	0	0	4-4	S. W.		Cloudy.
Baltimore, Md	30.00	52	83	N. E.	4	Fog				Foggy.
Boston, Mass	30.05	39	95	E.	4	Fog	Fog			Foggy.
*Breckenridge, Minn	30.20	27	76	N.	23	4-4				Cloudy.
Buffalo, N. Y	29.79	50	85	Calm.	0	Fog	2-4	N. W.	.02	Fair.
Burlington, Vt	29.98	39	80	S.	1	4-4				Threatening.
*Cairo, Ill	29.88	61	94	E.	4	2-4	2-4	W.	.85	Cloudy.
Cape May, N. J	29.99	45	100	N. E.	12	Fog				Foggy.
Charleston, S. C	30.11	69	65	S. W.	7	0	1-4			Fair.
Cheyenne, Wyo	30.12	70		N. W.	8	0	0			Clear.
Chicago, Ill	29.77	49	89	S. W.	16	2-4	0			Fair.
Cincinnati, Ohio	29.91	65	61	N. W.	2	4-4			.10	Light rain.
Cleveland, Ohio	29.83	59	94	Calm.	0	4-4			.52	Foggy.
*Corinne, Utah	30.28	28		N.	1	0	0			Clear.
Davenport, Iowa	29.88	43	65	N. W.	14	4-4				Cloudy.
*Denver, Colo	30.22	20	70	Calm.	0	4-4				Cloudy.
Detroit, Mich	29.84	44	100	N. W.	3	Fog			.07	Foggy.
*Duluth, Minn	29.97	34	79	N.	1	4-4			.10	Light snow.
Eastport, Me	30.08	36	90	S. E.	1	1-4	2-4	W.		Fair.
*Escanaba, Mich	29.69	36	90	N.	12	Fog			.15	Foggy.
*Fort Benton, Mont	30.41	23	73	S. W.	5	0	0			Clear.
*Fort Garry, Manitoba	30.17	23	86	N.	12	4-4				Cloudy.
*Fort Gibson, Ind. T	30.15	40	91	N. W.	11	4-4				Heavy rain.
*Fort Sully, Dak	30.38	26	82	N. W.	7	4-4				Cloudy.
*Galveston, Tex	29.81	71	90	S. E.	12	4-4				Threatening.
Grand Haven, Mich	29.69	50	85	S. E.	21	Fog				Fair.
Indianapolis, Ind	29.84	63	88	S. W.	8	4-4			.72	Threatening.
*Indianola, Tex	29.74	71	90	S. E.	18	4-4				Cloudy.
Jacksonville, Fla	30.15	70	75	Calm.	0	0	0			Clear.
Keokuk, Iowa	29.96	41	82	W.	2	4-4				Cloudy.
*Key West, Fla	30.12	76	59	S. E.	8	0	2-4	S. E.		Fair.
Kingston, Canada	30.04	35	95	N. E.	4	4-4			.03	Cloudy.
Knoxville, Tenn	30.00	67	54	S.	10	Hazy	4-4	S. W.		Cloudy.
*La Crosse, Wis	29.89	36	85	N.	8	4-4			.15	Cloudy.
Lake City, Fla	30.15	64	94	N. W.	4	4-4				Cloudy.
*Leavenworth, Kans	30.11	36	80	N.	16	4-4				Cloudy.
Louisville, Ky	29.90	65	84	Calm.	0	2-4	2-4		.35	Cloudy.
Lynchburg, Va	29.92	62	83	N. W.	4	Smoky	2-4	W.		Fair.
Marquette, Mich	29.79	34	90	N. E.	8	4-4			.38	Light rain.
Memphis, Tenn	29.91	70	75	S. E.	12	1-4	3-4	S. W.		Cloudy.
Milwaukee, Wis	29.68	40	100	S.	6	Fog			.03	Light rain.
Mobile, Ala	30.06	70	90	S.	4	4-4				Cloudy.
Montgomery, Ala	30.08	67	52	S. E.	4	Smoky	1-4			Fair.
Montreal, Canada	29.95	35	90	N. E.	3	4-4				Light rain.
Mount Washington, N. H	30.02	29	100	S. W.	22	4-4			.20	Light rain.
Nashville, Tenn	29.92	70	66	S.	2	0	2-4	S. W.		Fair.
New London, Conn	30.03	38	100	N. E.	3	4-4			.20	Cloudy.
New Orleans, La	29.97	70	84	S. E.	6	1-4	Hazy			Fair.
New York, N. Y	29.99	40	91	E.	8	4-4				Cloudy.
Norfolk, Va	29.93	67	76	S. W.	5	0	3-4			Fair.
Omaha, Nebr	30.20	32	90	N. W.	16	4-4				Cloudy.
Oswego, N. Y	29.92	42	87	S.	6	4-4			.10	Cloudy.
*Pembina, Dak	30.24	22	92	N. W.	18	4-4				Threatening.
Philadelphia, Pa	30.02	42	94	N. E.	12	Fog			.01	Foggy.
Pittsburgh, Pa	29.85	64	78	S. E.	5	Fog	2-4		.02	Fair.
Port Dover, Canada	29.90	42	100	N. E.	8	Fog			.05	Foggy.
*Port Stanley, Canada	29.87	38	99	E.	2	Fog			.01	Foggy.
Portland, Me	30.03	37	85	Calm.	0	4-4				Cloudy.
*Portland, Oreg	30.60	37	81	Calm.	0	Fog				Foggy.
Punta Rassa, Fla	30.15	70	75	E.	16	Hazy	0			Clear.
Quebec, Canada	30.02	32	85	E.	1	4-4				Cloudy.
Rochester, N. Y	29.89	44	92	S.	1	Fog			.07	Foggy.
*San Diego, Cal	30.27	43	56	N.	1	0	0			Clear.
*San Francisco, Cal	30.41	47	69	N.	4	0	0			Clear.
*Santa Fé, N. Mex	29.68	20	70	S. W.	2	4-4			.08	Light snow.
*Saugeen, Canada	29.81	39	91	Calm.	0	4-4				Light rain.
Savannah, Ga	30.12	71	52	S. W.	6	Smoky	1-4	W.		Fair.
*Shreveport, La	29.84	70	80	S. E.	4	1-4	1-4	S. E.		Fair.
Saint Louis, Mo	29.95	47	77	N. W.	20	4-4			.10	Light rain.
*Saint Paul, Minn	30.02	32	89	N. W.	20	4-4			.08	Light snow.
Toledo, Ohio	29.81	50	93	Calm.	0	Fog	2-4	S. W.	.44	Foggy.
Toronto, Canada	29.90	37	95	E.	7	4-4			.05	Cloudy.
*Vicksburg, Miss	29.91	69	90	S. E.	8	0	3-4	S.		Cloudy.
Virginia City, Mont										
Washington, D. C	29.98	50	93	N. E.	4	4-4				Cloudy.
Wilmington, N. C	30.05	70	70	S. W.	6	0	1-4			Fair.
*Yankton, Dak	30.25	27	92	N. W.	10	1-4	0			Clearing.


WAR DEPARTMENT WEATHER MAP.
SIGNAL SERVICE, U.S. ARMY.
Division of Telegrams and Reports for the Benefit of Commerce and Agriculture
Washington, Monday, April 7, 1873.—7.35 A.M.
All Observations made at the same moment of actual (not local) time
HIGH?
LOW
LOW
LOW
LOW
REFERENCES.
CLEAR
FAIR
CLOUDY
RAIN
SNOW
PUBLISHED BY ORDER OF THE SECRETARY OF WAR
Note
Isobarometric lines
Isothermal
Portland
Virginia City
Cheyenne
Denver
San Francisco
San Diego
Santa Fe
Fort Gibson
Little Rock
Waco
Galveston
Indianola
Brownsville
New Orleans
Mobile
Vicksburg
Memphis
Cairo
Louisville
Cincinnati
Indianapolis
Chicago
Milwaukee
Detroit
Toledo
Cleveland
Buffalo
Oswego
Albany
Boston
Montreal
Quebec
Portland
Augusta
Atlanta
Savannah
Charleston
Jacksonville
Fernandina
Key West
Norfolk
Washington
Baltimore
New York
New Haven
Pembina
Duluth
Marquette
Escanaba
Green Bay
St. Paul
Ft. Sully
Yankton
Omaha
Davenport
Keokuk
Leavenworth
Brecksville
Sandusky
Alpena
Sangeen
Stanley
Fairbanks
Fairfield
Wilmington
Cuba
St. DOMINGO

WASHINGTON, D. C.,
MONDAY, *April* 7, 1873—7.35 *a. m.*

SYNOPSIS.

The barometer continues lowest over Lakes Erie and Michigan, with a subsidiary depression in Virginia and Southeastern Missouri. The pressure has risen decidedly in the Missouri Valley, with cold northwest winds. Local storms have been reported from Iowa and Wisconsin, and frequent light rains from the Ohio Valley, Lower Lakes, and the Middle and Eastern States. The temperature has fallen decidedly in Illinois, over which State the area of cold northwest winds now extends. Warm southerly winds continue to prevail from the Ohio Valley southward over the Eastern Gulf and South Atlantic States. Cool northeast winds, with fog and cloud, are reported from the Middle Atlantic coast, New York, and New England.

PROBABILITIES.

During the rest of Monday the barometer continue to rise over the Missouri Valley and the Upper Mississippi, with cold northwest winds. An area of low barometer develop in the Southwest, and the low pressure over the Lake region concentrate into somewhat of a storm-centre on Lake Huron. For New England and the Middle States, continued easterly winds and cool, cloudy weather, with possibly light rain. For the South Atlantic and Eastern Gulf States, continued southerly winds and partly cloudy weather. For the Western Gulf coast, falling barometer, increasing southwesterly winds, threatening weather, and possibly rain.

Morning reports are very generally missing from the Pacific coast and Rocky Mountain stations, the Northwest, Upper Lakes, Lake Erie, and the Southwest.

FACTS—4.35 P. M., (*following the above "Probabilities."*)

WIND AND WEATHER.

(1.) *Clear.*—At Baltimore, wind NE., fresh; Jacksonville and Savannah, wind S., fresh; Lake City, wind NW., fresh; Punta Rassa, wind SW., fresh; Charleston, wind SW., brisk; San Diego, wind NW., brisk; Corinne, wind N., brisk.

(2.) *Fair.*—At Portland, Me., and Washington, wind SE., light; Montgomery, wind S., gentle; Philadelphia, wind NE., gentle; Toronto, wind E., gentle; Augusta, Cincinnati, Lynchburg, and Saugeen, wind SW., fresh; Cape May, wind E., fresh; Cheyenne and Denver, wind N., fresh; Dover, Mobile, Nashville, and Vicksburg, wind S., fresh; Portland, Oreg., and San Francisco, wind NW., fresh; Norfolk, wind NE., fresh; Key West, wind E., brisk; Knoxville and Wilmington, wind SW., brisk; New Orleans, wind S., brisk.

(3.) *Cloudy.*—At Burlington and Louisville, wind SW., light; Cairo, wind NE., light; Rochester, wind SE., light; Boston, wind E., gentle; Cleveland, wind W., gentle; Grand Haven, wind S W., gentle; Kingston, wind NE., gentle; New York, wind SE., gentle; Alpena, Chicago, Pittsburgh, and Santa Fé, wind W., fresh; Duluth, wind NE., fresh; Davenport and Milwaukee, wind NW., fresh; Eastport, Galveston, and New London, wind SE., fresh; Keokuk, La Crosse, and Indianapolis, wind N., fresh; Breckenridge, Escanaba, Leavenworth, Saint Paul, and Yankton, wind N., brisk; Marquette, Omaha, and Pembina, wind NW., brisk; Indianola and Shreveport, wind S., brisk; Memphis, wind SE., brisk; Quebec, wind NE., brisk.

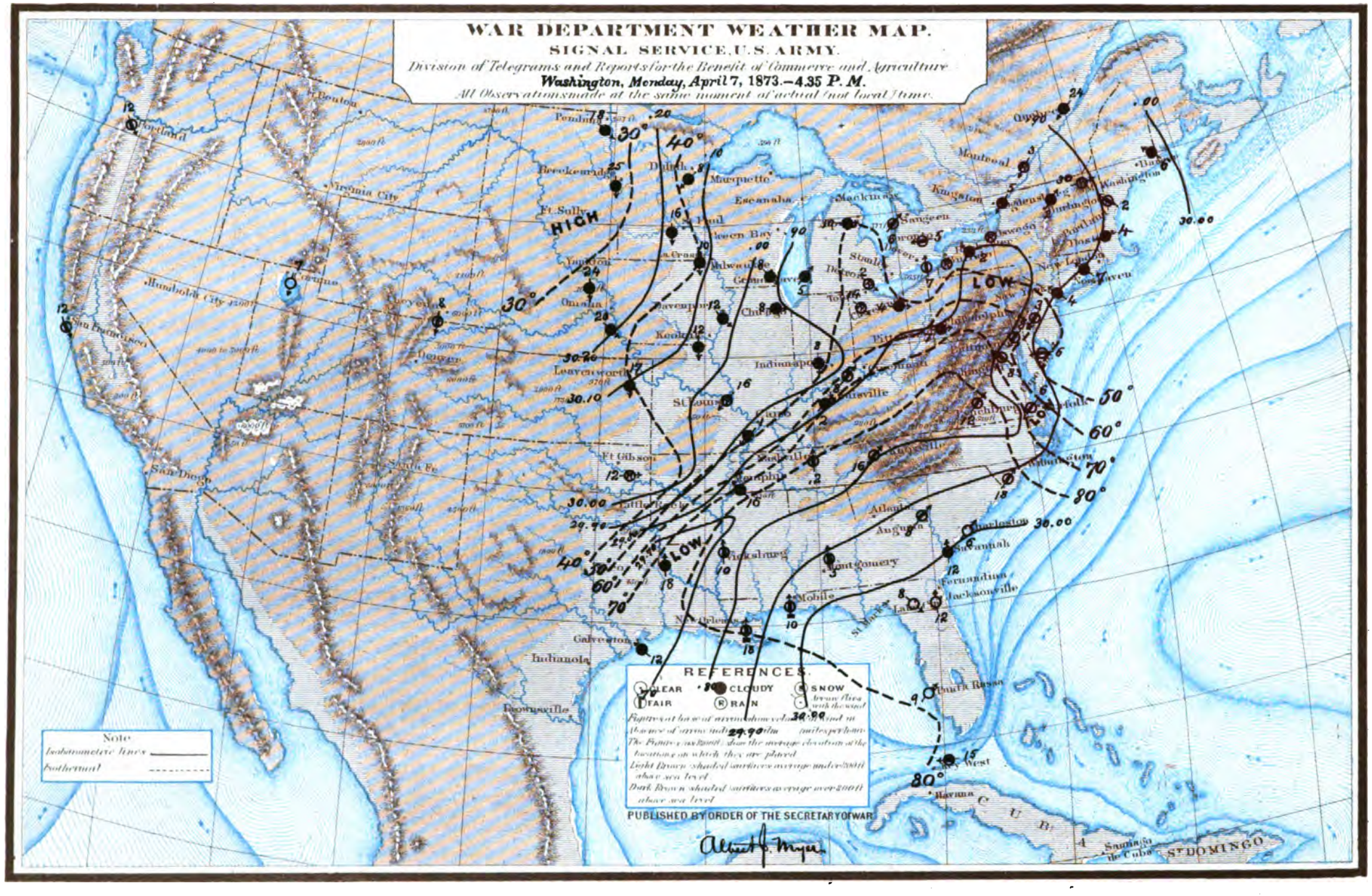
(4.) *Rainy.*—At Buffalo and Oswego, calm; Montreal, wind NE., gentle; Detroit and Toledo, wind NW., fresh; Fort Gibson, wind W., fresh; Saint Louis, wind NE., brisk

GENERAL REMARKS AS TO VERIFICATIONS.

The above "Probabilities" were generally verified, except "for the Western Gulf coast, possibly rain," not verified.

METEOROLOGICAL RECORD, APRIL 7, 1873—4.35 P. M.

Place of observation.	Barometer.	Thermometer.	Relative humidity, per cent.	Wind.		Clouds.			Rain-fall in last 8 hours.	State of the weather.
				Direction.	Velocity.	Amount of lower.	Amount of upper.	Direction of upper.		
Alpena, Mich	29.71	52	79	W.	10	4-4	.....	.....	.....	Cloudy.
Augusta, Ga	29.99	88	21	S. W.	8	1-4	0	.....	.....	Fair.
Baltimore, Md	29.91	61	71	N. E.	8	Smoky	Hazy	.....	.....	Clear.
Boston, Mass	29.97	43	85	E.	4	4-4	.....	.....	.03	Cloudy.
Breckenridge, Minn	30.26	28	77	N.	25	4-4	.....	.....	.....	Cloudy.
Buffalo, N. Y	29.71	58	88	Calm.	0	4-4	.....	.....	.01	Light rain.
Burlington, Vt	29.88	40	82	S. W.	2	4-4	.....	.....	.....	Threatening.
Cairo, Ill	29.80	53	87	N. E.	1	1-4	3-4	.....	.10	Cloudy.
Cape May, N. J	29.94	49	93	E.	6	Fog	.....	.....	.....	Foggy.
Charleston, S. C	30.01	82	38	S. W.	16	0	0	.....	.....	Clear.
Cheyenne, Wyo	30.13	23	58	N.	8	0	2-4	N.	.....	Fair.
Chicago, Ill	29.90	46	69	W.	8	1-4	3-4	W.	.....	Cloudy.
Cincinnati, Ohio	29.78	77	57	S. W.	8	1-4	2-4	W.	.26	Fair.
Cleveland, Ohio	29.82	58	94	W.	4	4-4	.....	.....	.03	Cloudy.
Corinne, Utah	30.31	41	12	N.	17	0	0	.....	.....	Clear.
Davenport, Iowa	29.98	46	61	N. W.	12	4-4	.....	.....	.....	Fair.
Denver, Colo	30.24	27	53	N.	8	0	2-4	N.	.....	Cloudy.
Detroit, Mich	29.78	54	80	N. W.	12	4-4	.....	.....	.01	Heavy rain.
Duluth, Minn	30.04	41	74	N. E.	8	1-4	3-4	N.	.01	Cloudy.
Eastport, Me	30.01	40	73	S. E.	6	4-4	.....	.....	.....	Cloudy.
Escanaba, Mich	29.87	37	71	N.	24	4-4	.....	.....	.....	Cloudy.
*Fort Benton, Mont	30.32	46	26	S. W.	16	0	1-4	S. W.	.....	Fair.
Fort Garry, Manitoba	30.20	28	71	N.	16	0	4-4	N. W.	.....	Cloudy.
Fort Gibson, Ind. T	30.01	38	100	W.	12	4-4	.....	.....	1.30	Heavy rain.
*Fort Sully, Dak	30.41	31	58	N.	14	4-4	.....	.....	.....	Cloudy.
Galveston, Tex	29.70	76	81	S. E.	12	4-4	.....	.....	.....	Threatening.
Grand Haven, Mich	29.86	42	75	S. W.	5	4-4	.....	.....	.....	Cloudy.
Indianapolis, Ind	29.90	50	78	N.	8	4-4	.....	.....	.10	Threatening.
Indianola, Tex	29.66	78	80	S.	19	4-4	.....	.....	.....	Cloudy.
Jacksonville, Fla	30.04	87	33	S.	12	0	0	.....	.....	Clear.
Keokuk, Iowa	29.99	44	68	N.	12	4-4	.....	.....	.06	Cloudy.
Key West, Fla	30.04	81	52	E.	15	0	1-4	E.	.....	Fair.
Kingston, Canada	29.89	40	91	N. E.	5	Fog	.....	.....	.....	Cloudy.
Knoxville, Tenn	29.82	84	18	S. W.	16	Hazy	1-4	.....	.....	Fair.
La Crosse, Wis	30.02	43	58	N.	10	1-4	3-4	N. W.	.....	Cloudy.
Lake City, Fla	30.04	65	64	N. W.	8	0	0	.....	.....	Clear.
Leavenworth, Kans	30.02	40	95	N.	17	4-4	.....	.....	.....	Cloudy.
Louisville, Ky	29.71	77	59	S. W.	2	2-4	2-4	W.	.....	Threatening.
Lynchburg, Va	29.78	88	31	S. W.	12	Smoky	1-4	W.	.....	Fair.
Marquette, Mich	29.66	30	89	N. W.	16	4-4	.....	.....	.12	Cloudy.
Memphis, Tenn	29.76	82	35	S. E.	16	1-4	3-4	S. W.	.....	Cloudy.
Milwaukee, Wis	29.83	44	71	N. W.	8	4-4	.....	.....	.....	Cloudy.
Mobile, Ala	30.02	81	66	S.	10	0	2-4	S. W.	.....	Fair.
Montgomery, Ala	29.97	85	34	S.	5	0	1-4	S. W.	.....	Fair.
Montreal, Canada	29.86	36	90	N. E.	3	4-4	.....	.....	.04	Light rain.
Mount Washington, N. H	29.97	31	100	W.	30	4-4	.....	.....	.10	Light rain.
Nashville, Tenn	29.79	83	30	S.	12	0	1-4	S. W.	.....	Fair.
New London, Conn	29.96	44	92	S. E.	7	4-4	.....	.....	.....	Threatening.
New Orleans, La	29.92	79	54	N.	18	0	2-4	S. W.	.....	Fair.
New York, N. Y	29.96	49	51	S. E.	4	4-4	.....	.....	.....	Cloudy.
Norfolk, Va	29.92	57	68	N. E.	6	0	1-4	.....	.....	Fair.
Omaha, Nebr	30.16	40	48	N. W.	20	4-4	.....	.....	.....	Cloudy.
Oswego, N. Y	29.81	47	85	Calm.	0	4-4	.....	.....	.01	Light rain.
Pembina, Dak	30.26	26	88	N. W.	18	4-4	.....	.....	.....	Cloudy.
Philadelphia, Pa	29.94	60	73	N. E.	3	Hazy	2-4	W.	.....	Fair.
Pittsburgh, Pa	29.75	78	50	W.	7	Hazy	4-4	W.	.....	Cloudy.
Port Dover, Canada	29.82	41	100	S.	7	Fog	.....	.....	.....	Foggy.
*Port Stanley, Canada	29.83	38	99	E.	3	Fog	.....	.....	.03	Foggy.
Portland, Me	29.97	38	90	S. E.	2	Fog	.....	.....	.....	Foggy.
Portland, Oreg	30.03	30	45	N. W.	12	0	1-4	.....	.....	Fair.
Punta Rassa, Fla	30.07	80	58	S. W.	9	0	0	.....	.....	Clear.
Quebec, Canada	29.97	33	80	N.	24	4-4	.....	.....	.....	Cloudy.
Rochester, N. Y	29.79	48	93	S. E.	2	4-4	.....	.....	.07	Cloudy.
San Diego, Cal	30.27	63	40	N. W.	24	0	0	.....	.....	Clear.
San Francisco, Cal	30.39	64	67	N. W.	12	0	2-4	N. W.	.....	Fair.
Santa Fé, N. Mex	29.73	28	54	W.	6	4-4	.....	.....	.03	Cloudy.
Saugeen, Canada	29.73	45	92	S. W.	6	4-4	.....	.....	.12	Foggy.
Savannah, Ga	30.02	83	35	S.	12	Hazy	0	.....	.....	Clear.
Shreveport, La	29.67	79	62	S.	17	4-4	.....	.....	.....	Threatening.
Saint Louis, Mo	29.91	41	83	N. E.	16	4-4	.....	.....	.75	Light rain.
Saint Paul, Minn	30.11	38	54	N.	16	0	4-4	N. W.	.....	Cloudy.
Toledo, Ohio	29.83	58	75	N. W.	14	4-4	.....	.....	.02	Light rain.
Toronto, Canada	29.82	37	97	E.	5	Fog	.....	.....	.....	Foggy.
Vicksburg, Miss	29.82	83	49	S.	10	0	2-4	S.	.....	Fair.
Virginia City, Mont	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Washington, D. C	29.88	70	52	S. E.	8	Smoky	1-4	N. W.	.....	Fair.
Wilmington, N. C	29.94	84	49	S. W.	18	Smoky	2-4	W.	.....	Fair.
Yankton, Dak	30.25	36	92	N.	24	2-4	2-4	N.	.....	Cloudy.


WAR DEPARTMENT WEATHER MAP.
SIGNAL SERVICE, U.S. ARMY.
Division of Telegrams and Reports for the Benefit of Commerce and Agriculture
Washington, Monday, April 7, 1873.—4.35 P. M.
All Observations made at the same moment of actual (not local) time.
HIGH
LOW
LOW
REFERENCES.
CLEAR
CLOUDY
SNOW
FAIR
RAIN
Note
Isobarometric lines
Isothermal
PUBLISHED BY ORDER OF THE SECRETARY OF WAR.
Portland
San Francisco
San Diego
Virginia City
Humboldt City
Denver
Santa Fe
Ft Sully
Pembina
Duluth
Marquette
Escanaba
Mackinaw
Green Bay
Milwaukee
Chicago
Omaha
Leavenworth
St Louis
Indianapolis
Louisville
Cairo
Memphis
Nashville
Ft Gibson
Little Rock
Vicksburg
Mobile
New Orleans
Galveston
Indianola
Brownsville
Montgomery
Atlanta
Augusta
Charleston
Savannah
Fernandina
Jacksonville
Key West
Havana
Cuba
Samana
St DOMINGO
Montreal
Quebec
Kingston
Washington
Norfolk
Wilmington
Cleveland
Toledo
Detroit
Sandusky
Pittsburgh
Philadelphia
Baltimore
New York
Boston
Portland
Eastport
New Haven
Buffalo
Oswego
Sangeen
Port Huron
Chicago
Milwaukee
Cairo
Memphis
Vicksburg
Mobile
New Orleans
Galveston
Indianola
Brownsville
Montgomery
Augusta
Charleston
Savannah
Fernandina
Jacksonville
Key West
Havana
Cuba
Samana
St DOMINGO

WASHINGTON, D. C.,
MONDAY, *April* 7, 1873—4.35 *p. m.*

SYNOPSIS.

The barometer continues low, as on Sunday afternoon, over the Lake region, with local depressions, in Virginia and over Lake Huron. A disturbance of some importance is apparently central in Southern Arkansas. The pressure has risen decidedly in the Northwest, with cold, brisk northerly winds and cloudy weather. The barometer has fallen rapidly in Oregon, and clear weather, with fresh northwest winds, are reported from the Pacific coast. The temperature has fallen during Monday over Arkansas, Indiana, Ohio, Lakes Michigan and Erie. Westerly winds, with cloud and rain, are reported from these lakes; northeast winds, with cloud and rain, from the Saint Lawrence Valley and Lake Ontario; southeast winds and threatening weather prevail on the New England coast. Southerly winds, falling barometer, and threatening weather prevail in the Gulf States west of Alabama. The rivers have fallen at Nashville, Louisville, and Cincinnati, and have risen at Pittsburgh, Saint Louis, and Keokuk.

PROBABILITIES.

The low barometer in Arkansas extend northeastward to the Ohio Valley on Tuesday. Southwesterly winds, cloudy and rainy weather, prevail in the Gulf States. For the South Atlantic States, falling barometer, southerly winds, and cloudy weather. For the Middle and Eastern States, falling barometer, easterly winds, cloudy weather, and possibly light rain, except in Virginia and Maryland, where partly cloudy weather, without rain, is more probable. For the Lower Lakes, falling temperature, northwest and northeast winds, with cloudy weather. For the Ohio Valley and Illinois, falling barometer, northeast winds, cloud, and rain. For the Upper Lakes and the Northwest, fresh to brisk northerly winds, and cold, cloudy weather.

Cautionary signals are ordered for New Orleans and Mobile.

FACTS—11 P. M., (*following the above "Probabilities."*)

WIND AND WEATHER.

(1.) *Clear.*—At Augusta and San Diego, calm; Corinne, wind NW., light; Virginia City, wind SE., light; Denver and Savannah, wind S., gentle; Charleston and Wilmington, wind SW., fresh; Cheyenne and San Francisco, wind NW., fresh; New Orleans, wind SE., fresh.

(2.) *Fair.*—At Kingston, New London, New York, Portland, Oreg., and Pittsburgh, calm; Boston, wind E., light; Pembina, wind NW., light; Cincinnati, wind N., gentle; Montgomery and Philadelphia, wind SE., gentle; Washington, wind NE., gentle; Indianapolis and Louisville, wind NE., fresh; Lynchburg, wind SW., fresh; Norfolk, wind SE., fresh; Nashville, wind S., fresh.

(3.) *Cloudy.*—At Rochester and Saugeen, wind W., light; Baltimore, wind E., gentle; Saint Paul, wind NW., gentle; Breckenridge, wind N., fresh; Oswego, wind S., fresh; Galveston and Marquette, wind NW., fresh; La Crosse and Milwaukee, wind NE., fresh; Mobile, wind SE., fresh; Duluth, wind NW., brisk; Leavenworth, Omaha, and Yankton, wind N., brisk; Memphis, wind SE., brisk.

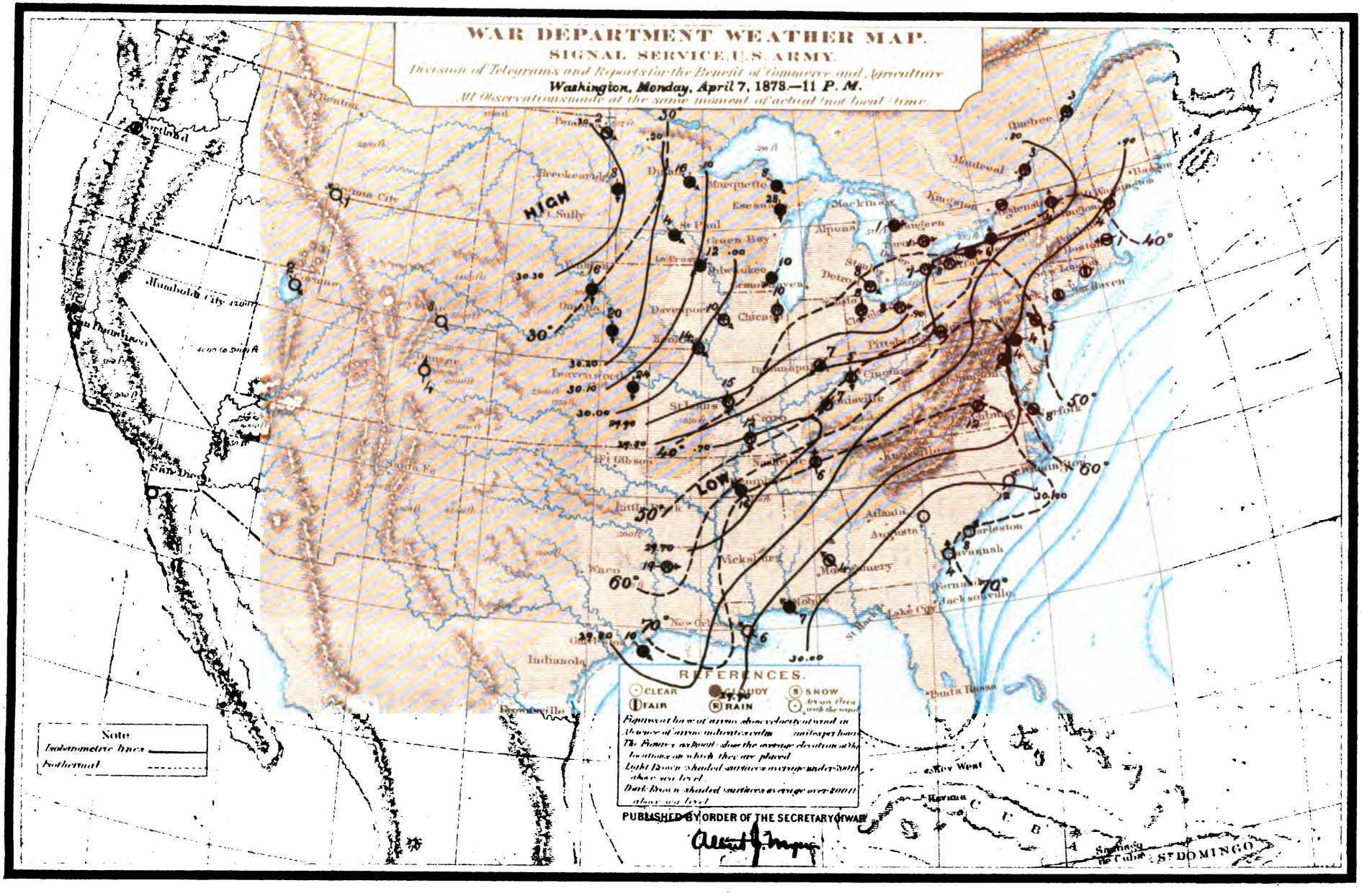
(4.) *Rainy.*—At Toronto, wind W., light; Burlington, wind S., gentle; Buffalo, wind W., gentle; Montreal, wind NE., gentle; Portland, Me., wind SW., gentle; Cairo, Chicago, and Toledo, wind N., fresh; Cleveland and Dover, wind W., fresh; Detroit, Davenport, and Keokuk, wind NW., fresh; Saint Louis, wind N., brisk; Quebec, wind NE., high.

GENERAL REMARKS AS TO VERIFICATIONS.

The above "Probabilities" were generally verified, except "southwesterly winds prevail in the Gulf States," "for South Atlantic States, cloudy weather," "for the Lower Lakes, cloudy weather," and "for the Upper Lakes and the Northwest, fresh to brisk winds and cloudy weather," partly verified.

METEOROLOGICAL RECORD, APRIL 7, 1873—11 P. M.

Place of observation.	Barometer.	Thermometer.	Relative humidity, per cent.	Wind. Direction.	Wind. Velocity	Clouds. Amount of lower.	Clouds. Amount of upper.	Clouds. Direction of upper.	Rain-fall in last 8 hours.	State of the weather.
*Alpena, Mich	29.[illegible]	3[illegible]	[illegible]	W.	6	4-4				Cloudy.
Augusta, Ga	30.[illegible]	7[illegible]	57	Calm	0	0	0			Clear.
Baltimore, Md	29.[illegible]	5[illegible]	84	E.	4	0	4-4	W.		Cloudy.
Boston, Mass	29.[illegible]	4[illegible]	87	E.	1	Fog	Fog			Foggy.
Brockenridge, Mass	30.29	2[illegible]	89	N.	[illegible]	4-4			.01	Cloudy.
Buffalo, N. Y	29.76	4[illegible]	2[illegible]	W.	[illegible]	4-4			.10	Light rain.
Burlington, Vt	29.79	43	91	S.	4	4-4			.01	Light rain.
Cairo, Ill	29.7[illegible]	51	93	N.	12	4-4				Heavy rain.
*Cape May, N. J	29.97	4[illegible]	92	E.	12	Fog				Foggy.
Charleston, S. C	30.04	6[illegible]	79	S. W	[illegible]	0	0			Clear.
Cheyenne, Wyo	30.16	19		N. W	[illegible]	0	0			Clear.
Chicago, Ill	29.[illegible]	4[illegible]	91	N.	10	4-4			.42	Heavy rain.
Cincinnati, Ohio	29.91	6[illegible]	82	N.	15	Hazy	2-4	W.	.01	Foggy.
Cleveland, Ohio	29.9[illegible]	4[illegible]	91	W.	[illegible]	4-4			.05	Light rain.
Corinne, Utah	30.32	3[illegible]	30	N. W.	2	0	0			Clear.
Davenport, Iowa	29.[illegible]	42	82	N. W.	10	4-4				Light rain.
Denver, Colo	30.22	12	80	S.	4	0	0			Clear.
Detroit, Mich	29.63	45	84	N. W.	[illegible]	4-4			.10	Heavy rain.
Duluth, Minn	30.11	35	70	N. W.	16	1-4	2-4	N. W.		Cloudy.
*Eastport, Me	29.9[illegible]	36	90	S. E.	[illegible]	4-4				Light rain.
Escanaba, Mich	30.02	32	69	N.	2[illegible]	4-4				Cloudy.
*Fort Benton, Mont	30.21	24	79	Calm.	0	0	0			Clear.
Fort Garry, Manitoba	30.20	23	90	N.	4	0	0			Clear.
*Fort Gibson, Ind. T	30.00	39	82	N. W.	16	4-4			.24	Heavy hail.
*Fort Sully, Dak	30.42	2[illegible]	65	N. W.	6	4-4				Cloudy.
Galveston, Tex	29.79	72	90	N. W.	10	4-4				Threatening.
*Grand Haven, Mich	29.8[illegible]	38	63	S. W.	12	4-4				Cloudy.
Indianapolis, Ind	29.79	49	85	N. E.	7	0	2-4			Fair.
*Indianola, Tex	29.93	4[illegible]	96	N.	54	4-4				Light rain.
*Jacksonville, Fla	30.0[illegible]	73	50	S.	6	0	0			Clear.
Keokuk, Iowa	29.99	38	90	N. W.	14	4-4			.34	Light rain.
*Key West, Fla	30.0[illegible]	76	56	E.	17	0	1-4	S. E.		Fair.
Kingston, Canada	29.87	38	93	Calm.	0	Fog			.03	Foggy.
*Knoxville, Tenn	29.87	71	44	S.	12	Haze	0			Fair.
La Crosse, Wis	30.0[illegible]	26	90	N. E.	12	1-4	Hazy		.02	Cloudy.
*Lake City, Fla	30.05	67	90	Calm.	0	0	0			Clear.
Leavenworth, Kans	30.02	38	63	N.	24	4-4				Cloudy.
Louisville, Ky	29.72	56	87	N. E.	7	0	1-4			Fair.
Lynchburg, Va	29.82	75	54	S. W.	12	0	2-4	S. W.		Fair.
Marquette, Mich	30.11	20	89	N. W.	8	4-4				Cloudy.
Memphis, Tenn	29.66	77	53	S. E.	16	0	4-4	S. W.		Cloudy.
Milwaukee, Wis	29.60	34	85	N. E.	10	4-4				Threatening.
Mobile, Ala	29.99	70	90	S. E.	7	0	4-4	S. W.		Cloudy.
Montgomery, Ala	29.97	71	66	S. E.	4	0	2-4	S. W.		Fair.
Montreal, Canada	29.77	35	90	N. E.	3	4-4			.15	Light rain.
*Mount Washington, N. H	29.95	32	100	W.	16	4-4			.26	Light rain.
Nashville, Tenn	29.76	73	50	S.	6	0	3-4	S. W.		Fair.
New London, Conn	29.96	41	100	Calm.	0	Fog				Foggy.
New Orleans, La	29.90	70	85	S. E.	6	0	1-4			Clear.
New York, N. Y	29.99	43	92	Calm.	0	Fog				Foggy.
Norfolk, Va	29.94	55	97	S. E.	8	0	2-4	W.		Fair.
Omaha, Nebr	30.23	34	71	N.	20	4-4				Cloudy.
Oswego, N. Y	29.81	45	80	S.	6	4-4				Threatening.
Pembina, Dak	30.30	25	78	N. W.	2	1-4	1-4	S. E.		Fair.
Philadelphia, Pa	29.96	49	85	S. E.	5	Fog				Foggy.
Pittsburgh, Pa	29.78	65	78	Calm.	0	Fog	1-4			Fair.
Port Dover, Canada	29.80	49	100	W.	7	4-4			.29	Light rain.
*Port Stanley, Canada	29.89	43	99	Calm.	0	4-4			.31	Light rain.
Portland, Me	29.92	37	100	S. W.	4	4-4			.03	Light rain.
Portland, Oreg	30.41	51	72	Calm.	0	Hazy	Hazy			Fair.
*Punta Rassa, Fla	30.12	74	59	E.	19	0	0			Clear.
Quebec, Canada	29.85	32	100	N. E.	31	4-4			.01	Heavy rain.
Rochester, N. Y	29.79	54	87	W.	1	4-4				Cloudy.
San Diego, Cal	30.30	56	53	Calm.	0	0	0			Clear.
San Francisco, Cal	30.44	54	61	N. W.	14	0	0			Clear.
*Santa Fé, N. Mex	29.83	18	37	S.	7	0	4-4	S. W.		Fair.
Saugeen, Canada	29.88	37	90	W.	1	4-4				Cloudy.
Savannah, Ga	30.07	70	71	S.	4	0	0			Clear.
Shreveport, La	29.72	37	87	W.	19	4-4			.05	Light rain.
Saint Louis, Mo	29.89	40	81	N.	15	4-4			.87	Heavy rain.
Saint Paul, Minn	30.17	35	71	N. W.	4	2-4	2-4	E.		Cloudy.
Toledo, Ohio	29.88	46	76	N.	8	4-4			.10	Light rain.
Toronto, Canada	29.86	37	99	W.	1	4-4			.05	Light rain.
*Vicksburg, Miss	29.82	74	59	S.	12	0	0			Hazy.
Virginia City, Mont	30.00	24	67	S. E.	1	0	0			Clear.
Washington, D. C	29.91	56	81	N. E.	4	Hazy	2-4	W.		Fair.
Wilmington, N. C	30.00	73	54	S. W.	12	0	0			Clear.
Yankton, Dak	30.35	31	92	N.	16	4-4				Cloudy.


WAR DEPARTMENT WEATHER MAP.
SIGNAL SERVICE, U.S. ARMY.
Division of Telegrams and Reports for the Benefit of Commerce and Agriculture
Washington, Monday, April 7, 1878.—11 P. M.
All Observations made at the same moment of actual (not local) time.
HIGH
LOW
REFERENCES.
CLEAR
CLOUDY
SNOW
FAIR
RAIN
Note
Isobarometric lines
Isothermal
PUBLISHED BY ORDER OF THE SECRETARY OF WAR

WASHINGTON, D. C.,
MONDAY, *April* 7, 1873—11 *p. m.*

SYNOPSIS.

The low barometer, that was Sunday night over Illinois, is now apparently over Northern Michigan, and minor or local depressions still exist in Virginia and over the Lower Lakes. A barometric depression of some importance is apparently central in Arkansas. Southeasterly winds, with partly cloudy weather, are reported from Louisiana and Alabama; light easterly winds, with cloud and fog, prevail on the Middle Atlantic coast; westerly winds, with light rain, over the Lower Lakes; northerly winds, with threatening or rainy weather, over Lake Michigan and the Lower Missouri Valley. Very high barometer, with clear weather, has continued on the Pacific coast.

PROBABILITIES.

The area of low barometer extend on Tuesday over the Ohio Valley, and continue over the Lower Lakes. For the Eastern Gulf and South Atlantic States, generally falling barometer, increasing southerly winds, and partly cloudy weather. For the Western Gulf States, northwesterly winds and falling temperature, with threatening and rainy weather. For the Middle and East Atlantic coast, easterly winds, cloudy weather, with possibly light rain, except in Virginia, where partly cloudy weather, without rain, is more probable. For the Lower Lakes, light and variable winds, becoming northeast on Lake Erie, with very generally threatening and rainy weather. For the Upper Lakes, increasing cold northerly winds, with cloudy weather.

Cautionary signals continue at Mobile and New Orleans.

FACTS—7.35 A. M., (*following the above "Probabilities."*)

WIND AND WEATHER.

(1.) *Clear.*—At Pembina, calm; Corinne, wind NW., light; San Francisco, wind SW., light; Lake City, wind SW., gentle; Charleston, wind SW., fresh; Jacksonville, wind S., brisk; Punta Rassa, wind SE., brisk; Cheyenne, wind NW., brisk.

(2.) *Fair.*—At Augusta, New London, Philadelphia, and Quebec, calm; Baltimore, wind SE., light; New York, wind S., light; Washington, wind E., gentle; Norfolk and Portland, Me., wind S., fresh; Wilmington and Cape May, wind SW., fresh.

(3.) *Cloudy.*—At Burlington, calm; Pittsburgh, wind W., light; Boston, wind SW., gentle; Montreal, wind W., gentle; Montgomery and New Orleans, wind SE., gentle; Breckenridge, Cincinnati, Louisville, and Yankton, wind N., fresh; Davenport and Duluth, wind NE., fresh; La Crosse, wind SE., fresh; Knoxville, Mobile, and Nashville, wind S., fresh; Lynchburg, wind SW., fresh; Chicago, wind N., brisk; Omaha, wind NW., brisk; Milwaukee, wind NE., brisk.

(4.) *Rainy.*—At Toronto, wind N., light; Cleveland, Kingston, and Saugeen, wind NE., gentle; Oswego, wind NW., gentle; Indianapolis, wind E., gentle; Buffalo and Detroit, wind NE., fresh; Dover and Rochester, wind N., fresh; Eastport, wind SE., fresh; Keokuk and Toledo, wind NE., brisk; Memphis, wind S., brisk; Saint Louis, wind N., brisk.

GENERAL REMARKS AS TO VERIFICATIONS.

The above "Probabilities" were generally verified, except "for the Upper Lakes, cloudy weather," partly verified.

METEOROLOGICAL RECORD, APRIL 8, 1873—7.35 A. M.

Place of observation.	Barometer.	Thermometer.	Relative humidity, per cent.	Wind.		Clouds.			Rain-fall in last 8 hours.	State of the weather.
				Direction.	Velocity.	Amount of lower.	Amount of upper.	Direction of upper.		
*Alpena, Mich	29.95	31	79	N.	14	4-4				Cloudy.
Augusta, Ga	30.04	64	85	Calm.	0	0	2-4	S. W.		Fair.
Baltimore, Md	29.87	52	86	S. E.	1	Fog				Foggy.
Boston, Mass	29.84	46	88	S. W.	4	4-4				Threatening.
Breckenridge, Minn	30.22	24	75	N.	14	2-4	2-4	N. E.		Cloudy.
Buffalo, N. Y	29.78	41	91	N. E.	8	4-4			.17	Light rain.
Burlington, Vt	29.78	40	91	Calm.	0	Fog			.13	Threatening.
*Cairo, Ill	29.64	45	92	W.	12	4-4			.70	Light rain.
Cape May, N. J	29.86	44	100	S. E.	8	Fog				Foggy.
Charleston, S. C	30.04	68	89	S. W.	7	0	1-4			Clear.
Cheyenne, Wyo	29.98	11	60	N. W.	16	0	0			Clear.
Chicago, Ill	29.90	33	80	N.	28	2-4	2-4	N. W.	.04	Cloudy.
Cincinnati, Ohio	29.75	59	82	N.	8	4-4				Cloudy.
Cleveland, Ohio	29.86	42	91	N. E.	4	4-4			.93	Heavy rain.
Corinne, Utah	30.27	22	58	N. W.	2	0	0			Clear.
Davenport, Iowa	29.90	38	81	N. E.	8	4-4				Cloudy.
*Denver, Colo	30.09	16	66	S.	2	0	0			Clear.
Detroit, Mich	29.83	39	91	N. E.	8	4-4			.90	Light rain.
Duluth, Minn	30.18	38	63	N. E.	8	4-4				Cloudy.
Eastport, Me	29.85	36	90	S. E.	10	4-4				Light rain.
*Escanaba, Mich	30.03	29	77	N.	27	4-4			.15	Cloudy.
*Fort Benton, Mont	30.02	38	72	S. W.	14	0	4-4	S. W.		Fair.
Fort Garry, Manitoba	29.77	29	77	N.	24	4-4				Cloudy.
*Fort Gibson, Ind. T	29.96	34	89	N. W.	30	4-4			.31	Heavy snow.
*Fort Sully, Dak	30.33	24	74	N. W.	6	4-4				Cloudy.
*Galveston, Tex	29.98	47	85	N. W.	15	4-4			.23	Light rain.
*Grand Haven, Mich	29.90	34	79	N.	9	4-4			.04	Cloudy.
Indianapolis, Ind	29.71	46	93	E.	4	4-4			1.08	Light rain.
*Indianola, Tex	30.09	45	68	N. W.	34	4-4			.10	Cloudy.
Jacksonville, Fla	30.05	73	71	S.	16	0	0			Clear.
Keokuk, Iowa	29.84	38	81	N. E.	16	4-4			.07	Light rain.
Key West, Fla	30.05	78	61	S. E.	14	0	1-4	S. E.		Fair.
Kingston, Canada	29.91	35	96	N. E.	4	Fog			.16	Light rain.
Knoxville, Tenn	29.98	67	52	S.	6	Hazy	4-4			Cloudy.
La Crosse, Wis	30.08	32	70	S. E.	10	4-4				Cloudy.
Lake City, Fla	30.04	68	70	S. W.	4	0	0			Clear.
*Leavenworth, Kans	29.96	29	89	N.	20	4-4				Light snow.
Louisville, Ky	29.71	53	86	N.	10	4-4				Cloudy.
Lynchburg, Va	29.84	66	59	S. W.	8	Smoky	3-4	S. W.		Fair.
*Marquette, Mich	30.16	25	75	N. W.	4	0	0			Clear.
Memphis, Tenn	29.64	57	81	S.	16	4-4				Light rain.
Milwaukee, Wis	29.91	31	90	N. E.	22	4-4				Cloudy.
Mobile, Ala	29.94	93	81	S.	12	4-4				Cloudy.
Montgomery, Ala	29.94	68	79	S. E.	4	1-4	3-4	S. W.		Cloudy.
Montreal, Canada	29.75	37	90	W.	4	4-4			.08	Cloudy.
Mount Washington, N. H	29.85	31	89	W.	36	4-4			.20	Cloudy.
Nashville, Tenn	29.72	72	58	S.	12	1-4	3-4	S.		Threatening.
New London, Conn	29.86	42	100	Calm.	0	Fog			.02	Foggy.
New Orleans, La	29.85	70	85	S. E.	4	4-4				Cloudy.
New York, N. Y	29.87	44	100	S.	2	Fog				Foggy.
Norfolk, Va	29.91	64	67	S.	10	0	3-4			Fair.
Omaha, Nebr	30.02	27	76	N. W.	18	4-4				Cloudy.
Oswego, N. Y	29.83	36	95	N. W.	4	4-4			.07	Light rain.
Pembina, Dak	30.22	19	84	Calm.	0	0	0			Clear.
Philadelphia, Pa	29.89	46	92	Calm.	0	Fog			.01	Foggy.
Pittsburgh, Pa	29.77	56	94	W.	1	4-4				Cloudy.
Port Dover, Canada	29.83	40	100	N.	6	4-4			.37	Heavy rain.
*Port Stanley, Canada	29.83	38	99	N. W.	1	4-4			.50	Light rain.
Portland, Me	30.03	38	100	S.	6	Fog			.03	Foggy.
*Portland, Oreg	30.38	42	83	Calm.	0	4-4				Cloudy.
Punta Rassa, Fla	30.06	73	76	S. E.	20	0	0			Clear.
Quebec, Canada	29.76	32	100	Calm.	0	Fog			.02	Foggy.
Rochester, N. Y	29.81	44	96	N.	6	4-4			.05	Light rain.
*San Diego, Cal	30.27	47	37	E.	7	0	0			Clear.
San Francisco, Cal	30.33	48	85	S. W.	2	0	0			Clear.
*Santa Fé, N. Mex	29.83	18	68	Calm.	0	4-4			.01	Light snow.
Saugeen, Canada	29.88	32	90	N. E.	5	4-4			.12	Light rain.
Savannah, Ga	30.04	70	75	S. E.	8	Hazy	1-4			Fair.
*Shreveport, La	29.86	45	84	W.	13	4-4			.78	Light rain.
Saint Louis, Mo	29.73	37	90	N.	34	4-4			.64	Light rain.
*Saint Paul, Minn	30.15	32	79	N.	8	0	2-4			Fair.
Toledo, Ohio	29.80	40	91	N. E.	5	4-4			.49	Heavy rain.
Toronto, Canada	29.84	39	98	N.	2	4-4			.30	Light rain.
*Vicksburg, Miss	29.75	71	75	S.	9	0	1-4	S.		Fair.
Virginia City, Mont										
Washington, D. C	29.84	54	87	E.	4	Fog				Foggy.
Wilmington, N. C	30.01	70	66	S. W.	8	2-4	0			Fair.
Yankton, Dak	30.20	27	92	N.	7	1-4	2-4	N.		Clear.

WAR DEPARTMENT WEATHER MAP.
SIGNAL SERVICE, U.S. ARMY.
Division of Telegrams and Reports for the Benefit of Commerce and Agriculture
Washington, Tuesday, April 8, 1873.—7.35 A.M.
All Observations made at the same moment of actual (not local) time.
HIGH
LOW
HIGH
Portland
Boston
Virginia City
Ft. Sully
Pembina
Duluth
Marquette
Escanaba
Mackinac
Alpena
Green Bay
St. Paul
La Crosse
Milwaukee
Grand Haven
Chicago
Davenport
Keokuk
Omaha
Denver
Leavenworth
St. Louis
Cairo
Indianapolis
Louisville
Detroit
Toledo
Cleveland
Pittsburgh
Cincinnati
Washington
Richmond
Norfolk
Quebec
Montreal
Kingston
Toronto
Rochester
Albany
Boston
New Haven
Hartford
Buffalo
Erie
Salt Lake City
Carson
San Francisco
San Diego
Santa Fe
Ft. Gibson
Little Rock
Memphis
Vicksburg
Waco
Galveston
Indianola
Brownsville
New Orleans
Mobile
Montgomery
Atlanta
Augusta
Charleston
Savannah
Jacksonville
Fernandina
Key West
Havana
Cuba
St. Domingo
REFERENCES.
CLEAR
CLOUDY
SNOW
FAIR
RAIN
Figures at base of arrow show velocity of wind in miles per hour
Absence of arrow indicates calm
The Figures in Italics show the average elevation of the locations on which they are placed
Light Brown shaded surfaces average under 500 ft above sea level
Dark Brown shaded surfaces average over 2000 ft above sea level
Note
Barometric lines
Isothermal
PUBLISHED BY ORDER OF THE SECRETARY OF WAR

WASHINGTON, D. C.,
TEUSDAY, *April* 8, 1873—7.35 *a. m.*

SYNOPSIS.

The storm-centre, that was Monday morning central in Texas, is now over the Lower Ohio Valley. Fresh southerly winds, with cloud and light rain, prevail in the Gulf States. Southwesterly winds and partly cloudy or clear weather continue on the South Atlantic coast. Fresh to brisk northerly winds, with falling barometer and heavy rain, are reported from Missouri, Illinois, and Indiana. Cold northerly winds have extended from Upper Michigan southward over the Lake and westward to the Missouri River, over all which region the barometer is now falling, after having risen somewhat. The area of low barometer, that was Monday morning over Lake Michigan, has moved northeastward beyond our stations. Northeast winds, with rain, now prevail over the Lower Lakes, and light winds, with foggy and threatening weather, over the Middle and Eastern States.

PROBABILITIES.

The storm-centre in the Ohio Valley move during the rest of Tuesday northeastward, reaching Lake Erie Tuesday night. Increasing southerly winds, with cloud and rain, prevail during the rest of the day in the Eastern Gulf States. Brisk, cold northerly winds, with clearing weather, extend over the Western Gulf States. For the South Atlantic States, increasing southeasterly winds, cloudy and threatening weather. For the Middle and East Atlantic coast, easterly winds, increasing to fresh, with foggy weather and possibly light rain, followed Tuesday night by falling barometer and rainy weather. For the Lower Lakes and Lake Huron, increasing northeasterly winds and rain. For the Upper Lakes, the Northwest, and the Missouri Valley, northeasterly winds, backing to northwest, with falling temperature.

Cautionary signals continue at Mobile and New Orleans, and are ordered for Milwaukee, Chicago, Grand Haven, Detroit, Toledo, Cleveland, and Buffalo.

Reports are very generally missing from the Southwest, Michigan, and Rocky Mountain stations.

FACTS—4.35 P. M., (*following the above "Probabilities."*)

WIND AND WEATHER.

(1.) *Clear.*—At Denver, wind SE., fresh; Jacksonville, wind SW., fresh; Pembina, wind W., fresh; San Diego, wind NW., fresh; Cheyenne, wind NW., brisk; Key West, wind E., brisk; Lake City and Punta Rassa, wind SW., brisk.

(2.) *Fair.*—At Portland, Me., calm; New London, wind SW., gentle; Augusta, Corinne, Cape May, Charleston, Montgomery, Savannah, and Washington, wind S., fresh; Breckenridge, wind N., fresh; Baltimore, wind SE., fresh; Duluth, wind NE., fresh; Philadelphia, San Francisco, and Santa Fé, wind SW., fresh; Pittsburgh, wind W., fresh; Portland, Oreg., wind SE., fresh; Knoxville, wind S., brisk; Lynchburg and Wilmington, wind SW., brisk; Indianola, wind NW., high.

(3.) *Cloudy.*—At Virginia City, calm; Boston, wind SE., light; Eastport, wind NW., light; Montreal, wind NW., light; Burlington, wind N., gentle; Cleveland, wind N., fresh; Cincinnati and New York, wind SE., fresh; Memphis, Nashville, and Saint Louis, wind W., fresh; Davenport, La Crosse, and Oswego, wind NE., fresh; Rochester, wind E., fresh; Mobile, wind S., fresh; Norfolk, wind SW., fresh; Shreveport, wind NW., fresh; Yankton, wind N., fresh; Louisville, wind SW., brisk; Saint Paul, wind N., brisk; Toledo, wind NE., brisk; Vicksburg, wind W., brisk.

(4.) *Rainy.*—At Toronto, wind NE., gentle; Buffalo, Indianapolis, Kingston, and Saugeen, wind NE., fresh; Cairo, wind SW., fresh; Stanley, wind N., fresh; Chicago, wind N., brisk; Dover, Detroit, and Grand Haven, wind NE., brisk.

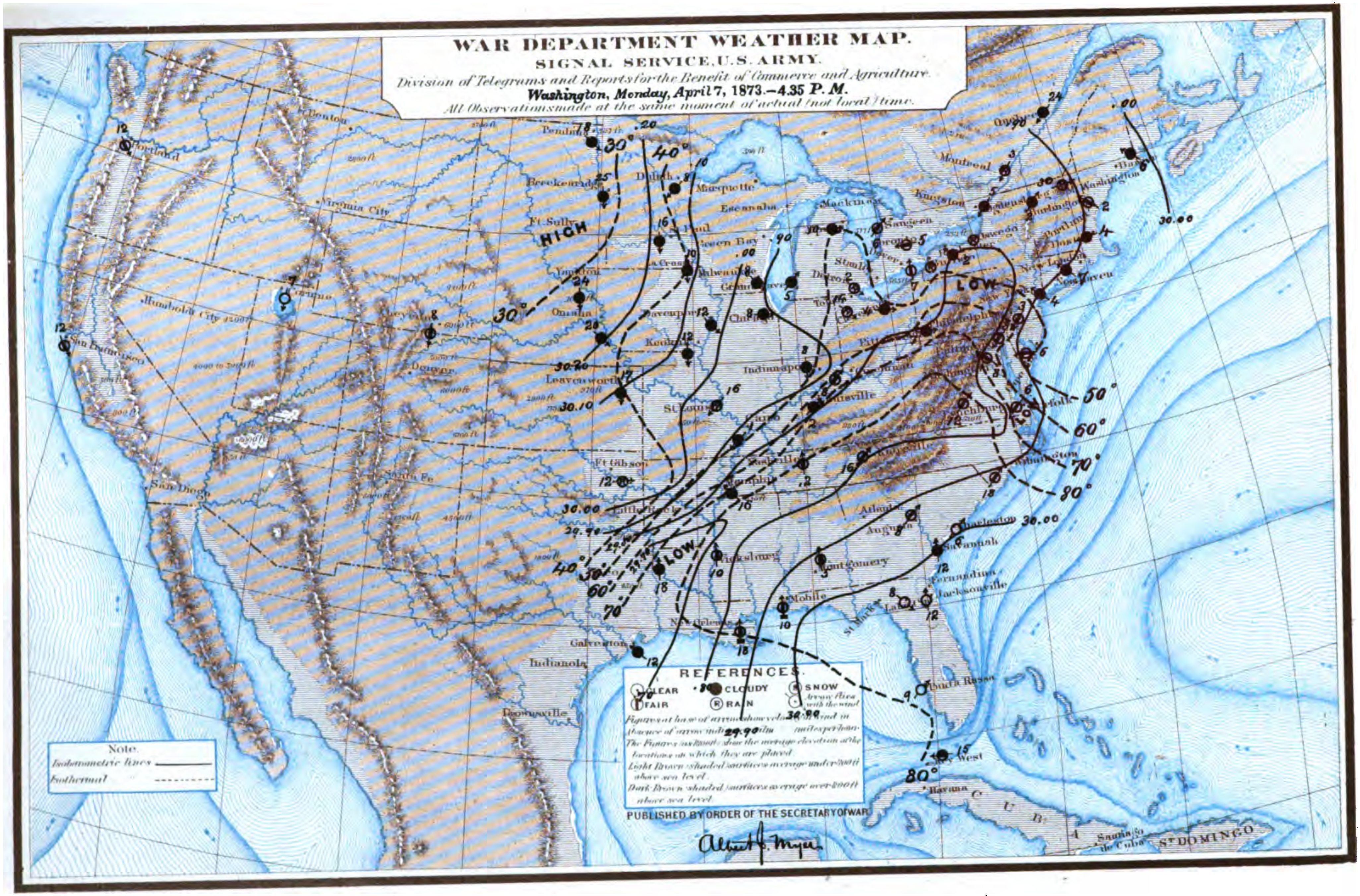
(5.) *Snowy.*—At Keokuk, wind NW., fresh; Fort Gibson and Leavenworth, wind NW., brisk; Omaha, wind N., brisk.

GENERAL REMARKS AS TO VERIFICATIONS.

The above "Probabilities" were generally verified, except "for the Middle and East Atlantic coast, Tuesday night, rainy weather," and "for the Upper Lakes, Northwest, and Missouri Valley, northeasterly winds backing to northwest, with falling temperature," partly verified; "the storm-centre move northeastward," not verified.

METEOROLOGICAL RECORD, APRIL 7, 1873—4.35 P. M.

Place of observation.	Barometer.	Thermometer.	Relative humidity, per cent.	Wind.		Clouds.			Rain-fall in last 8 hours.	State of the weather.
				Direction.	Velocity.	Amount of lower.	Amount of upper.	Direction of upper.		
Alpena, Mich	29.71	52	79	W.	10	4-4				Cloudy.
Augusta, Ga	29.99	88	21	S. W.	8	1-4	0			Fair.
Baltimore, Md	29.91	61	71	N. E.	8	Smoky	Hazy			Clear.
Boston, Mass	29.97	43	85	E.	4	4-4			.03	Cloudy.
Breckenridge, Minn	30.26	28	77	N.	25	4-4				Cloudy.
Buffalo, N. Y	29.71	58	88	Calm.	0	4-4			.01	Light rain.
Burlington, Vt	29.88	40	82	S. W.	2	4-4				Threatening.
Cairo, Ill	29.80	53	87	N. E.	1	1-4	3-4		.10	Cloudy.
Cape May, N. J	29.94	49	93	E.	6	Fog				Foggy.
Charleston, S. C	30.01	82	38	S. W.	16	0	0			Clear.
Cheyenne, Wyo	30.13	23	58	N.	8	0	2-4	N.		Fair.
Chicago, Ill	29.90	46	69	W.	8	1-4	3-4	W.		Cloudy.
Cincinnati, Ohio	29.78	77	57	S. W.	8	1-4	2-4	W.	.26	Fair.
Cleveland, Ohio	29.82	58	94	W.	4	4-4			.03	Cloudy.
Corinne, Utah	30.31	41	12	N.	17	0	0			Clear.
Davenport, Iowa	29.98	46	61	N. W.	12	4-4				Fair.
Denver, Colo	30.24	27	53	N.	8	0	2-4	N.		Cloudy.
Detroit, Mich	29.78	54	80	N. W.	12	4-4			.01	Heavy rain.
Duluth, Minn	30.04	41	74	N. E.	8	1-4	3-4	N.	.01	Cloudy.
Eastport, Me	30.01	40	73	S. E.	6	4-4				Cloudy.
Escanaba, Mich	29.87	37	71	N.	21	4-4				Cloudy.
*Fort Benton, Mont	30.32	46	26	S. W.	16	0	1-4	S. W.		Fair.
Fort Garry, Manitoba	30.20	28	71	N.	16	0	4-4	N. W.		Cloudy.
Fort Gibson, Ind. T	30.01	38	100	W.	12	4-4			1.30	Heavy rain.
*Fort Sully, Dak	30.41	31	58	N.	14	4-4				Cloudy.
Galveston, Tex	29.70	76	81	S. E.	12	4-4				Threatening.
Grand Haven, Mich	29.86	42	75	S. W.	5	4-4				Cloudy.
Indianapolis, Ind	29.90	50	78	N.	8	4-4			.10	Threatening.
Indianola, Tex	29.66	78	80	S.	19	4-4				Cloudy.
Jacksonville, Fla	30.04	87	33	S.	12	0	0			Clear.
Keokuk, Iowa	29.99	44	68	N.	12	4-4			.06	Cloudy.
Key West, Fla	30.04	81	52	E.	15	0	1-4	E.		Fair.
Kingston, Canada	29.89	40	91	N. E.	5	Fog				Cloudy.
Knoxville, Tenn	29.82	84	18	S. W.	16	Hazy	1-4			Fair.
La Crosse, Wis	30.02	43	58	N.	10	1-4	3-4	N. W.		Cloudy.
Lake City, Fla	30.04	65	64	N. W.	8	0	0			Clear.
Leavenworth, Kans	30.02	40	95	N.	17	4-4				Cloudy.
Louisville, Ky	29.71	77	59	S. W.	2	2-4	2-4	W.		Threatening.
Lynchburg, Va	29.78	88	31	S. W.	12	Smoky	1-4	W.		Fair.
Marquette, Mich	29.66	30	89	N. W.	16	4-4			.12	Cloudy.
Memphis, Tenn	29.76	82	35	S. E.	16	1-4	3-4	S. W.		Cloudy.
Milwaukee, Wis	29.83	44	71	N. W.	8	4-4				Cloudy.
Mobile, Ala	30.02	81	66	S.	10	0	2-4	S. W.		Fair.
Montgomery, Ala	29.97	85	34	S.	5	0	1-4	S. W.		Fair.
Montreal, Canada	29.86	36	90	N. E.	3	4-4			.04	Light rain.
Mount Washington, N. H	29.97	31	100	W.	30	4-4			.10	Light rain.
Nashville, Tenn	29.79	83	30	S.	12	0	1-4	S. W.		Fair.
New London, Conn	29.96	44	92	S. E.	7	4-4				Threatening.
New Orleans, La	29.92	79	54	N.	18	0	2-4	S. W.		Fair.
New York, N. Y	29.96	49	51	S. E.	4	4-4				Cloudy.
Norfolk, Va	29.92	57	68	N. E.	6	0	1-4			Fair.
Omaha, Nebr	30.16	40	48	N. W.	20	4-4				Cloudy.
Oswego, N. Y	29.81	47	85	Calm.	0	4-4			.01	Light rain.
Pembina, Dak	30.26	26	88	N. W.	18	4-4				Cloudy.
Philadelphia, Pa	29.94	60	73	N. E.	3	Hazy	2-4	W.		Fair.
Pittsburgh, Pa	29.75	78	50	W.	7	Hazy	4-4	W.		Cloudy.
Port Dover, Canada	29.82	41	100	S.	7	Fog				Foggy.
*Port Stanley, Canada	29.83	38	99	E.	3	Fog			.03	Foggy.
Portland, Me	29.97	38	90	S. E.	2	Fog				Foggy.
Portland, Oreg	30.03	30	45	N. W.	12	0	1-4			Fair.
Punta Rassa, Fla	30.07	80	58	S. W.	9	0	0			Clear.
Quebec, Canada	29.97	33	80	N.	24	4-4				Cloudy.
Rochester, N. Y	29.79	48	93	S. E.	2	4-4			.07	Cloudy.
San Diego, Cal	30.27	63	40	N. W.	24	0	0			Clear.
San Francisco, Cal	30.39	64	67	N. W.	12	0	2-4	N. W.		Fair.
Santa Fé, N. Mex	29.73	28	54	W.	6	4-4			.03	Cloudy.
Saugeen, Canada	29.73	45	92	S. W.	6	4-4			.12	Foggy.
Savannah, Ga	30.02	83	35	S.	12	Hazy	0			Clear.
Shreveport, La	29.67	79	62	S.	17	4-4				Threatening.
Saint Louis, Mo	29.91	41	83	N. E.	16	4-4			.75	Light rain.
Saint Paul, Minn	30.11	38	54	N.	16	0	4-4	N. W.		Cloudy.
Toledo, Ohio	29.83	58	75	N. W.	14	4-4			.02	Light rain.
Toronto, Canada	29.82	37	97	E.	5	Fog				Foggy.
Vicksburg, Miss	29.82	83	49	S.	10	0	2-4	S.		Fair.
Virginia City, Mont										
Washington, D. C	29.88	70	52	S. E.	8	Smoky	1-4	N. W.		Fair.
Wilmington, N. C	29.94	84	49	S. W.	18	Smoky	2-4	W.		Fair.
Yankton, Dak	30.25	36	92	N.	24	2-4	2-4	N.		Cloudy.


WAR DEPARTMENT WEATHER MAP.
SIGNAL SERVICE, U.S. ARMY.
Division of Telegrams and Reports for the Benefit of Commerce and Agriculture.
Washington, Monday, April 7, 1873.—4.35 P.M.
All Observations made at the same moment of actual (not local) time.
HIGH
LOW
LOW
REFERENCES.
CLEAR
FAIR
CLOUDY
RAIN
SNOW
Note.
Isobarometric lines
Isothermal
PUBLISHED BY ORDER OF THE SECRETARY OF WAR.
CUBA
ST DOMINGO

WASHINGTON, D. C.,
MONDAY, *April* 7, 1873—4.35 *p. m.*

SYNOPSIS.

The barometer continues low, as on Sunday afternoon, over the Lake region, with local depressions, in Virginia and over Lake Huron. A disturbance of some importance is apparently central in Southern Arkansas. The pressure has risen decidedly in the Northwest, with cold, brisk northerly winds and cloudy weather. The barometer has fallen rapidly in Oregon, and clear weather, with fresh northwest winds, are reported from the Pacific coast. The temperature has fallen during Monday over Arkansas, Indiana, Ohio, Lakes Michigan and Erie. Westerly winds, with cloud and rain, are reported from these lakes; northeast winds, with cloud and rain, from the Saint Lawrence Valley and Lake Ontario; southeast winds and threatening weather prevail on the New England coast. Southerly winds, falling barometer, and threatening weather prevail in the Gulf States west of Alabama. The rivers have fallen at Nashville, Louisville, and Cincinnati, and have risen at Pittsburgh, Saint Louis, and Keokuk.

PROBABILITIES.

The low barometer in Arkansas extend northeastward to the Ohio Valley on Tuesday. Southwesterly winds, cloudy and rainy weather, prevail in the Gulf States. For the South Atlantic States, falling barometer, southerly winds, and cloudy weather. For the Middle and Eastern States, falling barometer, easterly winds, cloudy weather, and possibly light rain, except in Virginia and Maryland, where partly cloudy weather, without rain, is more probable. For the Lower Lakes, falling temperature, northwest and northeast winds, with cloudy weather. For the Ohio Valley and Illinois, falling barometer, northeast winds, cloud, and rain. For the Upper Lakes and the Northwest, fresh to brisk northerly winds, and cold, cloudy weather.

Cautionary signals are ordered for New Orleans and Mobile.

FACTS—11 P. M., (*following the above "Probabilities."*)

WIND AND WEATHER.

(1.) *Clear.*—At Augusta and San Diego, calm; Corinne, wind NW., light; Virginia City, wind SE., light; Denver and Savannah, wind S., gentle; Charleston and Wilmington, wind SW., fresh; Cheyenne and San Francisco, wind NW., fresh; New Orleans, wind SE., fresh.

(2.) *Fair.*—At Kingston, New London, New York, Portland, Oreg., and Pittsburgh, calm; Boston, wind E., light; Pembina, wind NW., light; Cincinnati, wind N., gentle; Montgomery and Philadelphia, wind SE., gentle; Washington, wind NE., gentle; Indianapolis and Louisville, wind NE., fresh; Lynchburg, wind SW., fresh; Norfolk, wind SE., fresh; Nashville, wind S., fresh.

(3.) *Cloudy.*—At Rochester and Saugeen, wind W., light; Baltimore, wind E., gentle; Saint Paul, wind NW., gentle; Breckenridge, wind N., fresh; Oswego, wind S., fresh; Galveston and Marquette, wind NW., fresh; La Crosse and Milwaukee, wind NE., fresh; Mobile, wind SE., fresh; Duluth, wind NW., brisk; Leavenworth, Omaha, and Yankton, wind N., brisk; Memphis, wind SE., brisk.

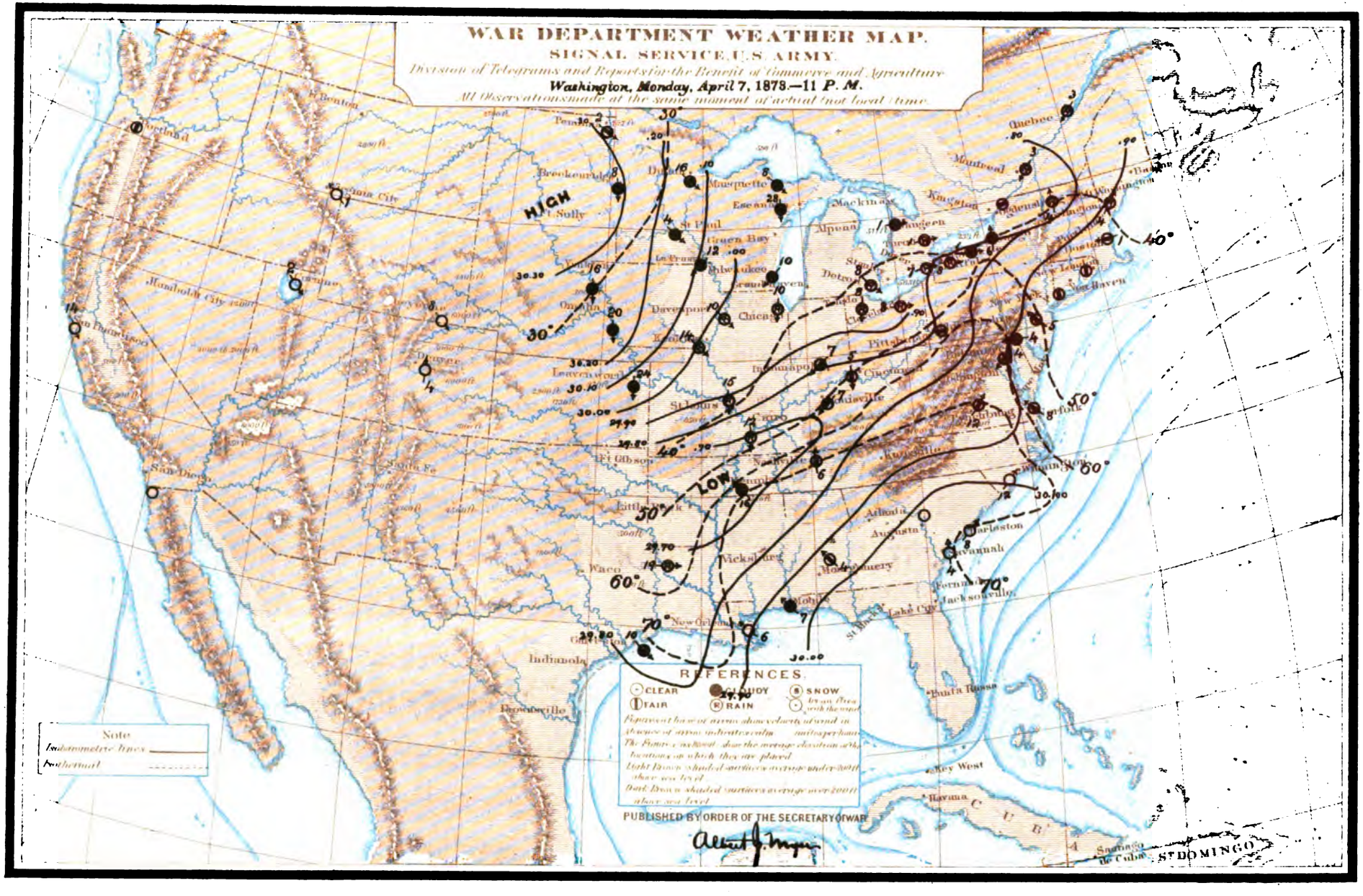
(4.) *Rainy.*—At Toronto, wind W., light; Burlington, wind S., gentle; Buffalo, wind W., gentle; Montreal, wind NE., gentle; Portland, Me., wind SW., gentle; Cairo, Chicago, and Toledo, wind N., fresh; Cleveland and Dover, wind W., fresh; Detroit, Davenport, and Keokuk, wind NW., fresh; Saint Louis, wind N., brisk; Quebec, wind NE., high.

GENERAL REMARKS AS TO VERIFICATIONS.

The above "Probabilities" were generally verified, except "southwesterly winds prevail in the Gulf States," "for South Atlantic States, cloudy weather," "for the Lower Lakes, cloudy weather," and "for the Upper Lakes and the Northwest, fresh to brisk winds and cloudy weather," partly verified.

METEOROLOGICAL RECORD, APRIL 7, 1873—11 P. M.

Place of observation.	Barometer.	Thermometer.	Relative humidity, per cent.	Wind.		Clouds.			Rain-fall in last 8 hours.	State of the weather.
				Direction.	Velocity.	Amount of lower.	Amount of upper.	Direction of upper.		
*Alpena, Mich	29.89	38	86	W.	6	4-4				Cloudy.
Augusta, Ga	30.03	70	57	Calm.	0	0	0			Clear.
Baltimore, Md	29.93	56	84	E.	4	0	4-4	W.		Cloudy.
Boston, Mass	29.97	43	87	E.	1	Fog	Fog			Foggy.
Breckenridge, Minn	30.29	25	80	N.	8	4-4			.01	Cloudy.
Buffalo, N. Y	29.76	47	95	W.	8	4-4			.10	Light rain.
Burlington, Vt	29.79	43	91	S.	4	4-4			.01	Light rain.
Cairo, Ill	29.70	51	93	N.	12	4-4				Heavy rain.
*Cape May, N. J	29.97	45	92	E.	12	Fog				Foggy.
Charleston, S. C	30.04	68	79	S. W.	8	0	0			Clear.
Cheyenne, Wyo	30.10	10		N. W.	8	0	0			Clear.
Chicago, Ill	29.93	40	91	N.	10	4-4			.42	Heavy rain.
Cincinnati, Ohio	29.81	60	82	N.	15	Hazy	2-4	W.	.01	Foggy.
Cleveland, Ohio	29.90	47	93	W.	8	4-4			.05	Light rain.
Corinne, Utah	30.32	32	30	N. W.	2	0	0			Clear.
Davenport, Iowa	29.98	42	82	N. W.	10	4-4				Light rain.
Denver, Colo	30.22	12	80	S.	4	0	0			Clear.
Detroit, Mich	29.83	45	84	N. W.	8	4-4			.10	Heavy rain.
Duluth, Minn	30.11	35	70	N. W.	16	1-4	2-4	N. W.		Cloudy.
*Eastport, Me	29.98	36	90	S. E.	8	4-4				Light rain.
Escanaba, Mich	30.02	32	69	N.	28	4-4				Cloudy.
*Fort Benton, Mont	30.21	34	79	Calm.	0	0	0			Clear.
Fort Garry, Manitoba	30.20	23	90	N.	4	0	0			Clear.
*Fort Gibson, Ind. T	30.00	39	82	N. W.	16	4-4			.24	Heavy hail.
*Fort Sully, Dak	30.42	28	65	N. W.	6	4-4				Cloudy.
Galveston, Tex	29.79	72	90	N. W.	10	4-4				Threatening.
*Grand Haven, Mich	29.88	38	63	S. W.	12	4-4				Cloudy.
Indianapolis, Ind	29.79	49	85	N. E.	7	0	2-4			Fair.
*Indianola, Tex	29.93	48	96	N.	54	4-4				Light rain.
*Jacksonville, Fla	30.08	73	50	S.	6	0	0			Clear.
Keokuk, Iowa	29.99	38	90	N. W.	14	4-4			.34	Light rain.
*Key West, Fla	30.08	76	56	E.	17	0	1-4	S. E.		Fair.
Kingston, Canada	29.87	38	93	Calm.	0	Fog			.03	Foggy.
*Knoxville, Tenn	29.87	71	44	S.	12	Haze	0			Fair.
La Crosse, Wis	30.08	36	90	N. E.	12	1-4	Hazy		.02	Cloudy.
*Lake City, Fla	30.05	67	90	Calm.	0	0	0			Clear.
Leavenworth, Kans	30.02	38	63	N.	24	4-4				Cloudy.
Louisville, Ky	29.79	56	87	N. E.	7	0	1-4			Fair.
Lynchburg, Va	29.82	75	54	S. W.	12	0	2-4	S. W.		Fair.
Marquette, Mich	30.11	30	89	N. W.	8	4-4				Cloudy.
Memphis, Tenn	29.68	77	53	S. E.	16	0	4-4	S. W.		Cloudy.
Milwaukee, Wis	29.60	34	85	N. E.	10	4-4				Threatening.
Mobile, Ala	29.99	70	90	S. E.	7	0	4-4	S. W.		Cloudy.
Montgomery, Ala	29.97	71	66	S. E.	4	0	2-4	S. W.		Fair.
Montreal, Canada	29.77	35	90	N. E.	3	4-4			.15	Light rain.
*Mount Washington, N. H	29.95	32	100	W.	16	4-4			.96	Light rain.
Nashville, Tenn	29.76	73	50	S.	6	0	3-4	S. W.		Fair.
New London, Conn	29.96	41	100	Calm.	0	Fog				Foggy.
New Orleans, La	29.90	70	85	S. E.	6	0	1-4			Clear.
New York, N. Y	29.99	43	92	Calm.	0	Fog				Foggy.
Norfolk, Va	29.94	55	97	S. E.	8	0	2-4	W.		Fair.
Omaha, Nebr	30.23	34	71	N.	20	4-4				Cloudy.
Oswego, N. Y	29.81	45	80	S.	6	4-4				Threatening.
Pembina, Dak	30.30	23	78	N. W.	2	1-4	1-4	S. E.		Fair.
Philadelphia, Pa	29.96	49	85	S. E.	5	Fog				Foggy.
Pittsburgh, Pa	29.78	65	78	Calm.	0	Fog	1-4			Fair.
Port Dover, Canada	29.80	49	100	W.	7	4-4			.29	Light rain.
*Port Stanley, Canada	29.89	43	99	Calm.	0	4-4			.31	Light rain.
Portland, Me	29.92	37	100	S. W.	4	4-4			.03	Light rain.
Portland, Oreg	30.41	51	72	Calm.	0	Hazy	Hazy			Fair.
*Punta Rassa, Fla	30.12	74	59	E.	19	0	0			Clear.
Quebec, Canada	29.85	32	100	N. E.	31	4-4			.01	Heavy rain.
Rochester, N. Y	29.79	54	87	W.	1	4-4				Cloudy.
San Diego, Cal	30.30	56	53	Calm.	0	0	0			Clear.
San Francisco, Cal	30.44	54	61	N. W.	14	0	0			Clear.
*Santa Fé, N. Mex	29.83	18	37	S.	7	0	4-4	S. W.		Fair.
Saugeen, Canada	29.88	37	90	W.	1	4-4				Cloudy.
Savannah, Ga	30.07	70	71	S.	4	0	0			Clear.
Shreveport, La	29.72	37	87	W.	19	4-4			.05	Light rain.
Saint Louis, Mo	29.89	40	81	N.	15	4-4			.87	Heavy rain.
Saint Paul, Minn	30.17	35	71	N. W.	4	2-4	2-4	E.		Cloudy.
Toledo, Ohio	29.88	46	76	N.	8	4-4			.10	Light rain.
Toronto, Canada	29.86	37	99	W.	1	4-4			.05	Light rain.
*Vicksburg, Miss	29.82	74	59	S.	12	0	0			Hazy.
Virginia City, Mont	30.00	24	67	S. E.	1	0	0			Clear.
Washington, D. C	29.91	56	81	N. E.	4	Hazy	2-4	W.		Fair.
Wilmington, N. C	30.00	73	54	S. W.	12	0	0			Clear.
Yankton, Dak	30.35	31	92	N.	16	4-4				Cloudy.


WAR DEPARTMENT WEATHER MAP.
SIGNAL SERVICE, U.S. ARMY.
Division of Telegrams and Reports for the Benefit of Commerce and Agriculture
Washington, Monday, April 7, 1873.—11 P. M.
All Observations made at the same moment of actual (not local) time.
HIGH
LOW
REFERENCES.
CLEAR
CLOUDY
SNOW
FAIR
RAIN
PUBLISHED BY ORDER OF THE SECRETARY OF WAR
Note
Isobarometric lines
Isothermal
Portland
Boston
Quebec
Montreal
Chicago
Detroit
Cleveland
Pittsburgh
Cincinnati
St. Louis
New Orleans
Mobile
Savannah
Charleston
Jacksonville
Key West
Havana
CUBA
ST DOMINGO
San Diego
Santa Fe
Denver
Omaha
Duluth
Marquette
Mackinaw
Green Bay
Milwaukee
Davenport
Indianola
Brownsville
Vicksburg
Nashville
Knoxville
Atlanta
Augusta
Norfolk
Baltimore
Washington
New York
Hartford
New Haven
Portland

WASHINGTON, D. C.,
MONDAY, *April* 7, 1873—11 *p. m.*

SYNOPSIS.

The low barometer, that was Sunday night over Illinois, is now apparently over Northern Michigan, and minor or local depressions still exist in Virginia and over the Lower Lakes. A barometric depression of some importance is apparently central in Arkansas. Southeasterly winds, with partly cloudy weather, are reported from Louisiana and Alabama; light easterly winds, with cloud and fog, prevail on the Middle Atlantic coast; westerly winds, with light rain, over the Lower Lakes; northerly winds, with threatening or rainy weather, over Lake Michigan and the Lower Missouri Valley. Very high barometer, with clear weather, has continued on the Pacific coast.

PROBABILITIES.

The area of low barometer extend on Tuesday over the Ohio Valley, and continue over the Lower Lakes. For the Eastern Gulf and South Atlantic States, generally falling barometer, increasing southerly winds, and partly cloudy weather. For the Western Gulf States, northwesterly winds and falling temperature, with threatening and rainy weather. For the Middle and East Atlantic coast, easterly winds, cloudy weather, with possibly light rain, except in Virginia, where partly cloudy weather, without rain, is more probable. For the Lower Lakes, light and variable winds, becoming northeast on Lake Erie, with very generally threatening and rainy weather. For the Upper Lakes, increasing cold northerly winds, with cloudy weather.

Cautionary signals continue at Mobile and New Orleans.

FACTS—7.35 A. M., (*following the above "Probabilities."*)

WIND AND WEATHER.

(1.) *Clear.*—At Pembina, calm; Corinne, wind NW., light; San Francisco, wind SW., light; Lake City, wind SW., gentle; Charleston, wind SW., fresh; Jacksonville, wind S., brisk; Punta Rassa, wind SE., brisk; Cheyenne, wind NW., brisk.

(2.) *Fair.*—At Augusta, New London, Philadelphia, and Quebec, calm; Baltimore, wind SE., light; New York, wind S., light; Washington, wind E., gentle; Norfolk and Portland, Me., wind S., fresh; Wilmington and Cape May, wind SW., fresh.

(3.) *Cloudy.*—At Burlington, calm; Pittsburgh, wind W., light; Boston, wind SW., gentle; Montreal, wind W., gentle; Montgomery and New Orleans, wind SE., gentle; Breckenridge, Cincinnati, Louisville, and Yankton, wind N., fresh; Davenport and Duluth, wind NE., fresh; La Crosse, wind SE., fresh; Knoxville, Mobile, and Nashville, wind S., fresh; Lynchburg, wind SW., fresh; Chicago, wind N., brisk; Omaha, wind NW., brisk; Milwaukee, wind NE., brisk.

(4.) *Rainy.*—At Toronto, wind N., light; Cleveland, Kingston, and Saugeen, wind NE., gentle; Oswego, wind NW., gentle; Indianapolis, wind E., gentle; Buffalo and Detroit, wind NE., fresh; Dover and Rochester, wind N., fresh; Eastport, wind SE., fresh; Keokuk and Toledo, wind NE., brisk; Memphis, wind S., brisk; Saint Louis, wind N., brisk.

GENERAL REMARKS AS TO VERIFICATIONS.

The above "Probabilities" were generally verified, except "for the Upper Lakes, cloudy weather," partly verified.

METEOROLOGICAL RECORD, APRIL 8, 1873—7.35 A. M.

Place of observation.	Barometer.	Thermometer.	Relative humidity, per cent.	Wind.		Clouds.			Rain-fall in last 8 hours.	State of the weather.
				Direction.	Velocity.	Amount of lower.	Amount of upper.	Direction of upper.		
*Alpena, Mich	29.95	31	79	N.	14	4-4				Cloudy.
Augusta, Ga	30.04	64	85	Calm.	0	0	2-4	S. W.		Fair.
Baltimore, Md	29.87	52	86	S. E.	1	Fog				Foggy.
Boston, Mass	29.84	46	88	S. W.	4	4-4				Threatening.
Breckenridge, Minn	30.22	24	75	N.	14	2-4	2-4	N. E.		Cloudy.
Buffalo, N. Y	29.78	41	91	N. E.	8	4-4			.17	Light rain.
Burlington, Vt	29.78	40	91	Calm.	0	Fog			.13	Threatening.
*Cairo, Ill	29.64	45	92	W.	12	4-4			.70	Light rain.
Cape May, N. J	29.86	44	100	S. E.	8	Fog				Foggy.
Charleston, S. C	30.04	68	89	S. W.	7	0	1-4			Clear.
Cheyenne, Wyo	29.98	11	60	N. W.	16	0	0			Clear.
Chicago, Ill	29.90	33	80	N.	28	2-4	2-4	N. W.	.04	Cloudy.
Cincinnati, Ohio	29.75	59	82	N.	8	4-4				Cloudy.
Cleveland, Ohio	29.86	42	91	N. E.	4	4-4			.93	Heavy rain.
Corinne, Utah	30.27	22	58	N. W.	2	0	0			Clear.
Davenport, Iowa	29.90	38	81	N. E.	8	4-4				Cloudy.
*Denver, Colo	30.09	16	66	S.	2	0	0			Clear.
Detroit, Mich	29.83	39	91	N. E.	8	4-4			.90	Light rain.
Duluth, Minn	30.18	38	63	N. E.	8	4-4				Cloudy.
Eastport, Me	29.85	36	90	S. E.	10	4-4				Light rain.
*Escanaba, Mich	30.03	29	77	N.	27	4-4			.15	Cloudy.
*Fort Benton, Mont	30.02	38	72	S. W.	14	0	4-4	S. W.		Fair.
Fort Garry, Manitoba	29.77	29	77	N.	24	4-4				Cloudy.
*Fort Gibson, Ind. T	29.96	34	89	N. W.	30	4-4			.31	Heavy snow.
*Fort Sully, Dak	30.33	24	74	N. W.	6	4-4				Cloudy.
*Galveston, Tex	29.98	47	85	N. W.	15	4-4			.23	Light rain.
*Grand Haven, Mich	29.90	34	79	N.	9	4-4			.04	Cloudy.
Indianapolis, Ind	29.71	46	93	E.	4	4-4			1.08	Light rain.
*Indianola, Tex	30.09	45	68	N. W.	34	4-4			.10	Cloudy.
Jacksonville, Fla	30.05	73	71	S.	16	0	0			Clear.
Keokuk, Iowa	29.84	38	81	N. E.	16	4-4			.07	Light rain.
Key West, Fla	30.05	78	61	S. E.	14	0	1-4	S. E.		Fair.
Kingston, Canada	29.91	35	96	N. E.	4	Fog			.16	Light rain.
Knoxville, Tenn	29.98	67	52	S.	6	Hazy	4-4			Cloudy.
La Crosse, Wis	30.08	32	70	S. E.	10	4-4				Cloudy.
Lake City, Fla	30.04	68	70	S. W.	4	0	0			Clear.
*Leavenworth, Kans	29.96	29	89	N.	20	4-4				Light snow.
Louisville, Ky	29.71	53	86	N.	10	4-4				Cloudy.
Lynchburg, Va	29.84	66	59	S. W.	8	Smoky	3-4	S. W.		Fair.
*Marquette, Mich	30.16	25	75	N. W.	4	0	0			Clear.
Memphis, Tenn	29.64	57	81	S.	16	4-4				Light rain.
Milwaukee, Wis	29.91	31	90	N. E.	22	4-4				Cloudy.
Mobile, Ala	29.94	93	81	S.	12	4-4				Cloudy.
Montgomery, Ala	29.94	68	79	S. E.	4	1-4	3-4	S. W.		Cloudy.
Montreal, Canada	29.75	37	90	W.	4	4-4			.08	Cloudy.
Mount Washington, N. H	29.85	31	89	W.	36	4-4			.20	Cloudy.
Nashville, Tenn	29.72	72	58	S.	12	1-4	3-4	S.		Threatening.
New London, Conn	29.86	42	100	Calm.	0	Fog			.02	Foggy.
New Orleans, La	29.85	70	85	S. E.	4	4-4				Cloudy.
New York, N. Y	29.87	44	100	S.	2	Fog				Foggy.
Norfolk, Va	29.91	64	67	S.	10	0	3-4			Fair.
Omaha, Nebr	30.02	27	76	N. W.	18	4-4				Cloudy.
Oswego, N. Y	29.83	36	95	N. W.	4	4-4			.07	Light rain.
Pembina, Dak	30.22	19	84	Calm.	0	0	0			Clear.
Philadelphia, Pa	29.89	46	92	Calm.	0	Fog			.01	Foggy.
Pittsburgh, Pa	29.77	56	94	W.	1	4-4				Cloudy.
Port Dover, Canada	29.83	40	100	N.	6	4-4			.37	Heavy rain.
*Port Stanley, Canada	29.83	38	99	N. W.	1	4-4			.50	Light rain.
Portland, Me	30.03	38	100	S.	6	Fog			.03	Foggy.
*Portland, Oreg	30.38	42	83	Calm.	0	4-4				Cloudy.
Punta Rassa, Fla	30.06	73	76	S. E.	20	0	0			Clear.
Quebec, Canada	29.76	32	100	Calm.	0	Fog			.02	Foggy.
Rochester, N. Y	29.81	44	96	N.	6	4-4			.05	Light rain.
*San Diego, Cal	30.27	47	37	E.	7	0	0			Clear.
San Francisco, Cal	30.33	48	85	S. W.	2	0	0			Clear.
*Santa Fé, N. Mex	29.83	18	68	Calm.	0	4-4			.01	Light snow.
Sangeen, Canada	29.88	32	90	N. E.	5	4-4			.12	Light rain.
Savannah, Ga	30.04	70	75	S. E.	8	Hazy	1-4			Fair.
*Shreveport, La	29.86	45	84	W.	13	4-4			.78	Light rain.
Saint Louis, Mo	29.73	37	90	N.	34	4-4			.64	Light rain.
*Saint Paul, Minn	30.15	32	79	N.	8	0	2-4			Fair.
Toledo, Ohio	29.80	40	91	N. E.	5	4-4			.49	Heavy rain.
Toronto, Canada	29.84	39	98	N.	2	4-4			.30	Light rain.
*Vicksburg, Miss	29.75	71	75	S.	9	0	1-4	S.		Fair.
Virginia City, Mont										
Washington, D. C	29.84	54	87	E.	4	Fog				Foggy.
Wilmington, N. C	30.01	70	66	S. W.	8	2-4	0			Fair.
Yankton, Dak	30.20	27	92	N.	7	1-4	2-4	N.		Clear.

WAR DEPARTMENT WEATHER MAP.
SIGNAL SERVICE, U.S. ARMY.
Division of Telegrams and Reports for the Benefit of Commerce and Agriculture
Washington, Tuesday, April 8, 1873.—7.35 A.M.
All Observations made at the same moment of actual (not local) time
HIGH
LOW
LOW
HIGH
Portland
Boston
Virginia City
Ft Sully
Pembina
Duluth
Marquette
Escanaba
Mackinaw
Alpena
Green Bay
Milwaukee
Chicago
Davenport
Keokuk
Omaha
Leavenworth
St Louis
Cairo
Louisville
Pittsburg
Cleveland
Toledo
Detroit
Stanley
Indianapolis
Cincinnati
Knoxville
Richmond
Norfolk
Washington
Quebec
Montreal
Kingston
Burlington
Portland
Boston
New Haven
New York
Philadelphia
Baltimore
Wilmington
Charleston
Savannah
Augusta
Atlanta
Montgomery
Mobile
Vicksburg
Memphis
Little Rock
Ft Gibson
Waco
New Orleans
Galveston
Indianola
Brownsville
Jacksonville
Fernandina
Key West
Havana
Santiago de Cuba
ST DOMINGO
Chapa Rosa
Lake
Salt Lake City
Denver
Santa Fe
San Diego
San Francisco
Cheyenne
REFERENCES.
CLEAR
CLOUDY
SNOW
FAIR
RAIN
Figures at base of arrows show velocity of wind in
Absence of arrow indicates calm
miles per hour
The Figures on Bluff show the average elevation of the
locations on which they are placed
Light Brown shaded surfaces average under 500 ft
above sea level
Dark Brown shaded surfaces average over 500 ft
above sea level
Note
Isobarometric lines
Isothermal
PUBLISHED BY ORDER OF THE SECRETARY OF WAR
Albert J. Myer

WASHINGTON, D. C.,
TEUSDAY, *April* 8, 1873—7.35 *a. m.*

SYNOPSIS.

The storm-centre, that was Monday morning central in Texas, is now over the Lower Ohio Valley. Fresh southerly winds, with cloud and light rain, prevail in the Gulf States. Southwesterly winds and partly cloudy or clear weather continue on the South Atlantic coast. Fresh to brisk northerly winds, with falling barometer and heavy rain, are reported from Missouri, Illinois, and Indiana. Cold northerly winds have extended from Upper Michigan southward over the Lake and westward to the Missouri River, over all which region the barometer is now falling, after having risen somewhat. The area of low barometer, that was Monday morning over Lake Michigan, has moved northeastward beyond our stations. Northeast winds, with rain, now prevail over the Lower Lakes, and light winds, with foggy and threatening weather, over the Middle and Eastern States.

PROBABILITIES.

The storm-centre in the Ohio Valley move during the rest of Tuesday northeastward, reaching Lake Erie Tuesday night. Increasing southerly winds, with cloud and rain, prevail during the rest of the day in the Eastern Gulf States. Brisk, cold northerly winds, with clearing weather, extend over the Western Gulf States. For the South Atlantic States, increasing southeasterly winds, cloudy and threatening weather. For the Middle and East Atlantic coast, easterly winds, increasing to fresh, with foggy weather and possibly light rain, followed Tuesday night by falling barometer and rainy weather. For the Lower Lakes and Lake Huron, increasing northeasterly winds and rain. For the Upper Lakes, the Northwest, and the Missouri Valley, northeasterly winds, backing to northwest, with falling temperature.

Cautionary signals continue at Mobile and New Orleans, and are ordered for Milwaukee, Chicago, Grand Haven, Detroit, Toledo, Cleveland, and Buffalo.

Reports are very generally missing from the Southwest, Michigan, and Rocky Mountain stations.

FACTS—4.35 P. M., (*following the above "Probabilities."*)

WIND AND WEATHER.

(1.) *Clear.*—At Denver, wind SE., fresh; Jacksonville, wind SW., fresh; Pembina, wind W., fresh; San Diego, wind NW., fresh; Cheyenne, wind NW., brisk; Key West, wind E., brisk; Lake City and Punta Rassa, wind SW., brisk.

(2.) *Fair.*—At Portland, Me., calm; New London, wind SW., gentle; Augusta, Corinne, Cape May, Charleston, Montgomery, Savannah, and Washington, wind S., fresh; Breckenridge, wind N., fresh; Baltimore, wind SE., fresh; Duluth, wind NE., fresh; Philadelphia, San Francisco, and Santa Fé, wind SW., fresh; Pittsburgh, wind W., fresh; Portland, Oreg., wind SE., fresh; Knoxville, wind S., brisk; Lynchburg and Wilmington, wind SW., brisk; Indianola, wind NW., high.

(3.) *Cloudy.*—At Virginia City, calm; Boston, wind SE., light; Eastport, wind NW., light; Montreal, wind NW., light; Burlington, wind N., gentle; Cleveland, wind N., fresh; Cincinnati and New York, wind SE., fresh; Memphis, Nashville, and Saint Louis, wind W., fresh; Davenport, La Crosse, and Oswego, wind NE., fresh; Rochester, wind E., fresh; Mobile, wind S., fresh; Norfolk, wind SW., fresh; Shreveport, wind NW., fresh; Yankton, wind N., fresh; Louisville, wind SW., brisk; Saint Paul, wind N., brisk; Toledo, wind NE., brisk; Vicksburg, wind W., brisk.

(4.) *Rainy.*—At Toronto, wind NE., gentle; Buffalo, Indianapolis, Kingston, and Saugeen, wind NE., fresh; Cairo, wind SW., fresh; Stanley, wind N., fresh; Chicago, wind N., brisk; Dover, Detroit, and Grand Haven, wind NE., brisk.

(5.) *Snowy.*—At Keokuk, wind NW., fresh; Fort Gibson and Leavenworth, wind NW., brisk; Omaha, wind N., brisk.

GENERAL REMARKS AS TO VERIFICATIONS.

The above "Probabilities" were generally verified, except "for the Middle and East Atlantic coast, Tuesday night, rainy weather," and "for the Upper Lakes, Northwest, and Missouri Valley, northeasterly winds backing to northwest, with falling temperature," partly verified; "the storm-centre move northeastward," not verified.

WASHINGTON, D. C.,
MONDAY, *April* 7, 1873—4.35 *p. m.*

SYNOPSIS.

The barometer continues low, as on Sunday afternoon, over the Lake region, with local depressions, in Virginia and over Lake Huron. A disturbance of some importance is apparently central in Southern Arkansas. The pressure has risen decidedly in the Northwest, with cold, brisk northerly winds and cloudy weather. The barometer has fallen rapidly in Oregon, and clear weather, with fresh northwest winds, are reported from the Pacific coast. The temperature has fallen during Monday over Arkansas, Indiana, Ohio, Lakes Michigan and Erie. Westerly winds, with cloud and rain, are reported from these lakes; northeast winds, with cloud and rain, from the Saint Lawrence Valley and Lake Ontario; southeast winds and threatening weather prevail on the New England coast. Southerly winds, falling barometer, and threatening weather prevail in the Gulf States west of Alabama. The rivers have fallen at Nashville, Louisville, and Cincinnati, and have risen at Pittsburgh, Saint Louis, and Keokuk.

PROBABILITIES.

The low barometer in Arkansas extend northeastward to the Ohio Valley on Tuesday. Southwesterly winds, cloudy and rainy weather, prevail in the Gulf States. For the South Atlantic States, falling barometer, southerly winds, and cloudy weather. For the Middle and Eastern States, falling barometer, easterly winds, cloudy weather, and possibly light rain, except in Virginia and Maryland, where partly cloudy weather, without rain, is more probable. For the Lower Lakes, falling temperature, northwest and northeast winds, with cloudy weather. For the Ohio Valley and Illinois, falling barometer, northeast winds, cloud, and rain. For the Upper Lakes and the Northwest, fresh to brisk northerly winds, and cold, cloudy weather.

Cautionary signals are ordered for New Orleans and Mobile.

FACTS—11 P. M., (*following the above "Probabilities."*)

WIND AND WEATHER.

(1.) *Clear.*—At Augusta and San Diego, calm; Corinne, wind NW., light; Virginia City, wind SE., light; Denver and Savannah, wind S., gentle; Charleston and Wilmington, wind SW., fresh; Cheyenne and San Francisco, wind NW., fresh; New Orleans, wind SE., fresh.

(2.) *Fair.*—At Kingston, New London, New York, Portland, Oreg., and Pittsburgh, calm; Boston, wind E., light; Pembina, wind NW., light; Cincinnati, wind N., gentle; Montgomery and Philadelphia, wind SE., gentle; Washington, wind NE., gentle; Indianapolis and Louisville, wind NE., fresh; Lynchburg, wind SW., fresh; Norfolk, wind SE., fresh; Nashville, wind S., fresh.

(3.) *Cloudy.*—At Rochester and Saugeen, wind W., light; Baltimore, wind E., gentle; Saint Paul, wind NW., gentle; Breckenridge, wind N., fresh; Oswego, wind S., fresh; Galveston and Marquette, wind NW., fresh; La Crosse and Milwaukee, wind NE., fresh; Mobile, wind SE., fresh; Duluth, wind NW., brisk; Leavenworth, Omaha, and Yankton, wind N., brisk; Memphis, wind SE., brisk.

(4.) *Rainy.*—At Toronto, wind W., light; Burlington, wind S., gentle; Buffalo, wind W., gentle; Montreal, wind NE., gentle; Portland, Me., wind SW., gentle; Cairo, Chicago, and Toledo, wind N., fresh; Cleveland and Dover, wind W., fresh; Detroit, Davenport, and Keokuk, wind NW., fresh; Saint Louis, wind N., brisk; Quebec, wind NE., high.

GENERAL REMARKS AS TO VERIFICATIONS.

The above "Probabilities" were generally verified, except "southwesterly winds prevail in the Gulf States," "for South Atlantic States, cloudy weather," "for the Lower Lakes, cloudy weather," and "for the Upper Lakes and the Northwest, fresh to brisk winds and cloudy weather," partly verified.

WASHINGTON, D. C.,
TUESDAY, *April* 8, 1873—4.35 *p. m.*

SYNOPSIS.

The area of lowest barometer, that was Monday afternoon in Arkansas, is now central in Southern Indiana. The pressure has fallen during Tuesday throughout the Atlantic and Eastern Gulf States; it has risen over the Saint Lawrence Valley, the Lower Lakes, and the Southwest; it has fallen decidedly at the Pacific coast and Rocky Mountain stations, in the Missouri and Upper Mississippi Valleys. Fresh to brisk southwest winds and warm weather prevail from Delaware and the Ohio Valley southward to Florida. Cool and increasing northwest winds, with cloudy weather and light rain, are reported from the Southwest. Cold northwest winds, with cloud and snow, prevail over the Missouri Valley, and thence to Lake Michigan. Fresh to high northeast winds, with rain, are reported from the Lower Lakes. The rivers have risen at Vicksburg, Pittsburgh, Cairo, Saint Louis, and Keokuk, and fallen at Nashville, Louisville, and Cincinnati.

PROBABILITIES.

The storm-centre in Ohio will probably move on Wednesday over the Middle States to Southern New England. For Wednesday in the South Atlantic States, cloudy and rainy weather, with south and west winds. For the Middle States, easterly winds, increasing to brisk, with rain. For New England, increasing northeast winds, threatening and rainy weather. For the Lower Lakes, northeast winds, back to northwest, with rain or snow. For the Upper Lakes, northerly winds, with cloudy weather.

Cautionary signals continue at Mobile, New Orleans, Milwaukee, Chicago, Grand Haven, Detroit, Toledo, Cleveland, Buffalo, and are ordered for Rochester, Oswego, New York, Baltimore, Cape May, Norfolk, Wilmington, Charleston, and Savannah.

FACTS—11 P. M., (*following the above "Probabilities."*)

WIND AND WEATHER.

(1.) *Clear.*—At Pembina, calm; Augusta, Charleston, Lynchburg, and Savannah, wind S., fresh; Santa Fé, wind N., fresh; Wilmington, wind SW., fresh.

(2.) *Fair.*—At Corinne, Denver, New London, and Quebec, calm; Baltimore, wind E., gentle; Portland, Oreg., wind W., gentle; San Diego, wind N., gentle; Washington, wind NE., gentle; Breckenridge, wind N., fresh; Cheyenne, wind NW., fresh; Keokuk and Shreveport, wind W., fresh; Norfolk, wind S., fresh; Philadelphia, wind E., fresh; Saint Louis, wind W., brisk.

(3.) *Cloudy.*—At Pittsburgh, calm; Burlington, wind N., light; Boston and Duluth, wind NE., gentle; Montreal, wind W., gentle; Portland, Me., wind N., gentle; Cairo, Mobile, and Marquette, wind NW., fresh; Cleveland, New York, Oswego, and Rochester, wind NE., fresh; Memphis, wind W., fresh; Toronto, wind E., fresh; Buffalo and Dover, wind NE., brisk; Escanaba, wind N., brisk; Leavenworth, wind NW., brisk; San Francisco, wind SW., brisk; Toledo, wind E., brisk.

(4.) *Rainy.*—At Cincinnati and Nashville, wind S., gentle; Detroit, Kingston, and Stanley, wind NE., fresh; Indianapolis, wind SW., fresh; Milwaukee, wind E., fresh; Louisville, wind S., fresh; Montgomery and New Orleans, wind NW., fresh; Chicago, wind NE., brisk.

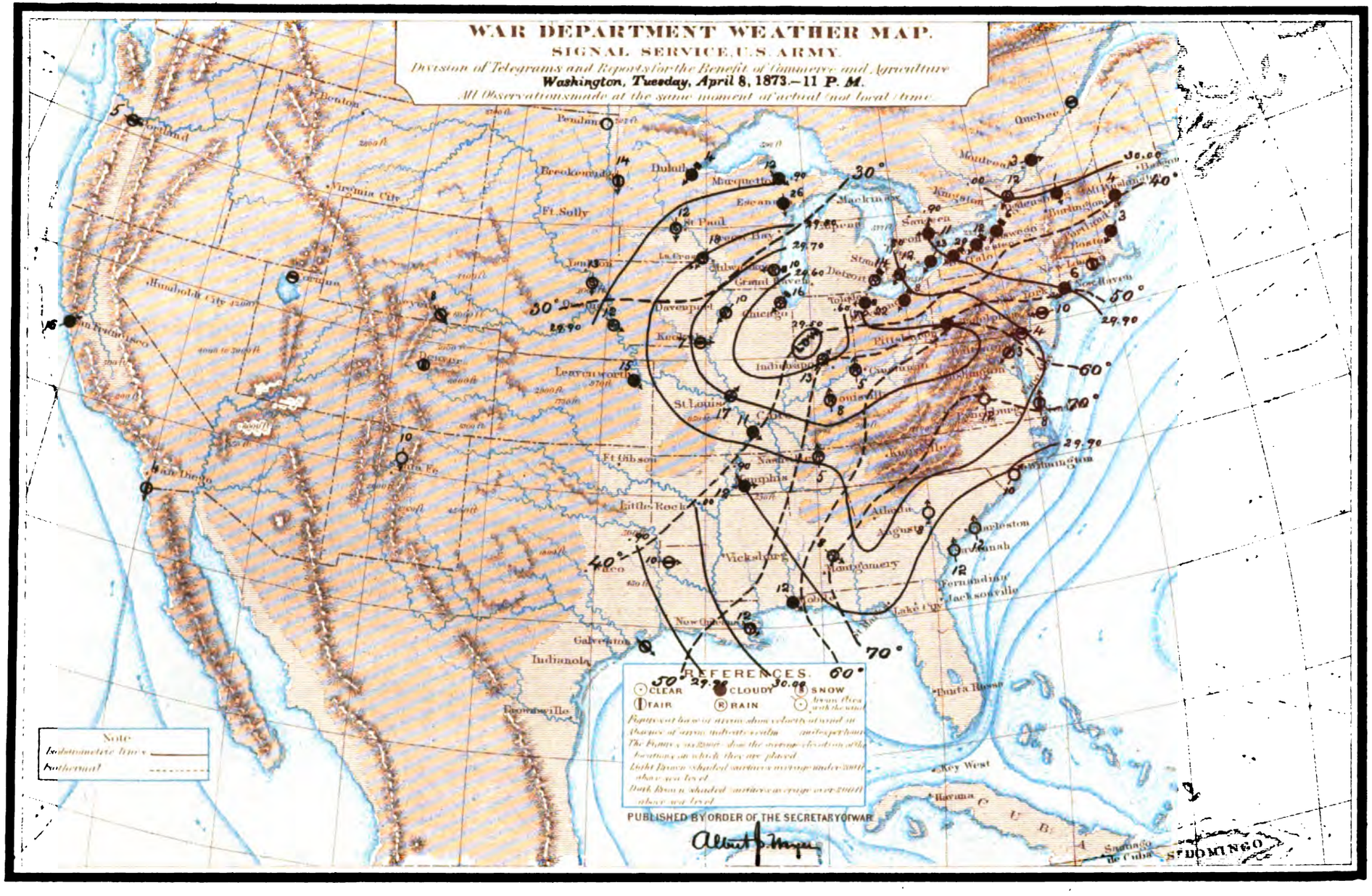
(5.) *Snowy.*—At Davenport and La Crosse, wind NE., fresh; Omaha, wind NW., fresh; Saint Paul and Yankton, wind N., fresh.

GENERAL REMARKS AS TO VERIFICATIONS.

The above "Probabilities" were generally verified, except "for Middle States, rain," "for Lower Lakes, winds back to northwest," and "for Upper Lakes, northerly winds, with cloudy weather," partly verified.

METEOROLOGICAL RECORD, APRIL 8, 1873—11 P. M.

Place of observation.	Barometer.	Thermometer.	Relative humidity, per cent.	Wind.		Clouds.			Rain-fall in last 8 hours.	State of the weather.
				Direction.	Velocity.	Amount of lower.	Amount of upper.	Direction of upper.		
*Alpena, Mich	29.88	32	89	N.	18	4-4	.....	.....	.07	Sleeting.
Augusta, Ga	29.91	73	50	S.	8	0	0	.....	.....	Clear.
Baltimore, Md	29.77	60	80	E.	4	4-4	Hazy	.....	.....	Fair.
Boston, Mass	29.93	50	82	N. E.	3	Fog	.....	.....	.....	Cloudy.
Breckenridge, Minn	29.95	28	82	N.	14	Hazy	2-4	N. E.	.....	Fair.
Buffalo, N. Y	29.80	37	90	N. E.	20	4-4	.....	.....	.03	Cloudy.
Burlington, Vt	29.99	39	81	N.	1	4-4	.....	.....	.....	Threatening.
Cairo, Ill	29.83	42	76	N. W.	11	4-4	.....	.....	.01	Cloudy.
*Cape May, N. J	29.82	52	73	S. E.	16	0	Hazy	.....	.....	Fair.
Charleston, S. C	29.98	70	85	S.	12	0	0	.....	.....	Clear.
Cheyenne, Wyo	29.78	25	72	N. W.	8	0	2-4	.....	.....	Fair.
Chicago, Ill	29.54	38	90	N. E.	16	4-4	.....	.....	.28	Light rain.
Cincinnati, Ohio	29.70	60	82	S.	5	4-4	.....	.....	.....	Light rain.
Cleveland, Ohio	29.71	38	91	N. E.	8	4-4	.....	.....	.....	Cloudy.
Corinne, Utah	30.05	43	42	Calm.	0	1-4	2-4	W.	.....	Fair.
Davenport, Iowa	29.62	31	89	N. E.	10	4-4	.....	.....	.26	Light snow.
Denver, Colo	29.85	27	76	Calm.	0	0	2-4	N.	.....	Fair.
Detroit, Mich	29.72	36	90	N. E.	14	4-4	.....	.....	.42	Heavy rain.
Duluth, Minn	29.90	32	58	N. E.	4	3-4	Hazy	N. W.	.....	Cloudy.
Eastport, Me	29.92	35	90	N. W.	6	0	2-4	N.	.05	Fair.
Escanaba, Mich	29.81	29	77	N.	26	4-4	.....	.....	.....	Cloudy.
*Fort Benton, Mont	29.87	44	45	W.	2	2-4	2-4	W.	.....	Cloudy.
Fort Garry, Manitoba	29.84	29	79	S.	10	0	0	.....	.....	Fair.
*Fort Gibson, Ind. T	30.07	36	70	Calm.	0	0	0	.....	.....	Clear.
*Fort Sully, Dak	30.04	27	70	Calm.	0	0	0	.....	.....	Clear.
Galveston, Tex	30.18	49	54	N. W.	.....	0	1-4	S. W.	.....	Cloudy.
*Grand Haven, Mich	29.54	34	70	E.	33	4-4	.....	.....	.12	Cloudy.
Indianapolis, Ind	29.66	52	86	S. W.	13	4-4	.....	.....	.47	Light rain.
*Indianola, Tex	30.25	50	45	N.	16	0	0	.....	.....	Clear.
*Jacksonville, Fla	29.98	70	75	S. E.	4	0	0	.....	.....	Clear.
Keokuk, Iowa	29.67	33	89	W.	7	1-4	1-4	W.	.13	Clearing.
*Key West, Fla	30.04	77	76	E.	14	0	3-4	S. E.	.....	Fair.
Kingston, Canada	29.98	35	87	N. E.	12	4-4	.....	.....	.08	Light rain.
*Knoxville, Tenn	29.67	76	33	S.	20	4-4	.....	.....	.....	Threatening.
La Crosse, Wis	29.73	29	100	N. E.	13	4-4	.....	.....	.....	Heavy snow.
*Lake City, Fla	29.97	69	81	S. W.	2	0	0	.....	.....	Clear.
Leavenworth, Kans	29.82	34	78	N. W.	15	4-4	.....	.....	.02	Cloudy.
Louisville, Ky	29.69	55	87	S.	8	4-4	.....	.....	.50	Light rain.
Lynchburg, Va	29.76	73	50	S.	12	0	0	.....	.....	Clear.
Marquette, Mich	29.90	27	77	N. W.	12	4-4	.....	.....	.....	Cloudy.
Memphis, Tenn	29.92	43	75	W.	12	4-4	.....	.....	.05	Cloudy.
Milwaukee, Wis	29.58	33	100	E.	10	4-4	.....	.....	.16	Light rain.
Mobile, Ala	29.94	59	76	N. W.	12	4-4	.....	.....	.05	Cloudy.
Montgomery, Ala	29.86	79	88	N. W.	8	4-4	.....	.....	.....	Light rain.
Montreal, Canada	30.02	38	71	W.	3	0	4-4	W.	.....	Cloudy.
*Mount Washington, N. H	29.94	31	89	N. W.	43	3-4	.....	.....	.10	Clearing.
Nashville, Tenn	29.82	54	87	S.	5	4-4	.....	.....	.50	Light rain.
New London, Conn	29.91	48	93	Calm.	0	Hazy	Hazy	.....	.....	Fair.
New Orleans, La	29.99	54	86	N. W.	12	4-4	.....	.....	.50	Light rain.
New York, N. Y	29.86	52	86	N. E.	6	4-4	.....	.....	.....	Cloudy.
Norfolk, Va	29.87	70	56	S.	8	0	3-4	W.	.....	Fair.
Omaha, Nebr	29.86	32	90	N. W.	12	4-4	.....	.....	.....	Light snow.
Oswego, N. Y	29.95	40	78	N. E.	6	4-4	.....	.....	.....	Cloudy.
Pembina, Dak	29.94	28	82	Calm.	0	0	0	.....	.....	Clear.
Philadelphia, Pa	29.84	52	90	E.	10	Hazy	Hazy	.....	.....	Fair.
Pittsburgh, Pa	29.61	63	66	Calm.	0	Smoky	.....	.....	.....	Cloudy.
Port Dover, Canada	29.85	36	100	N. E.	23	4-4	.....	.....	.....	Threatening.
Port Stanley, Canada	29.79	38	95	N. E.	12	4-4	.....	.....	.10	Light rain.
Portland, Me	29.92	41	91	N.	4	4-4	.....	.....	.02	Cloudy.
Portland, Oreg	30.39	47	77	W.	5	0	3-4	.....	.....	Fair.
*Punta Rassa, Fla	30.05	76	76	S.	11	0	0	.....	.....	Clear.
Quebec, Canada	29.99	31	100	Calm.	0	1-4	1-4	.....	.....	Fair.
Rochester, N. Y	29.93	37	81	N. E.	12	4-4	.....	.....	.05	Cloudy.
San Diego, Cal	30.19	56	62	N.	4	0	2-4	S.	.....	Fair.
San Francisco, Cal	30.18	53	79	S. W.	16	4-4	.....	.....	.....	Cloudy.
Santa Fé, N. Mex	29.70	29	52	N.	10	0	0	.....	.....	Clear.
*Saugeen, Canada	29.89	31	89	E.	10	4-4	.....	.....	.08	Heavy rain.
Savannah, Ga	29.98	71	75	S.	12	0	0	.....	.....	Clear.
Shreveport, La	30.09	42	66	W.	10	0	2-4	N. W.	.....	Fair.
Saint Louis, Mo	29.72	37	80	S. W.	17	2-4	2-4	S. W.	.01	Clearing.
Saint Paul, Minn	29.85	32	88	N.	12	4-4	.....	.....	.02	Light snow.
Toledo, Ohio	29.71	40	91	E.	22	4-4	.....	.....	.19	Cloudy.
Toronto, Canada	29.94	36	90	E.	11	4-4	.....	.....	.20	Threatening.
*Vicksburg, Miss	30.04	49	77	W.	8	0	4-4	S. W.	.....	Cloudy.
Virginia City, Mont	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Washington, D. C	29.76	66	68	N. E.	4	Smoky	3-4	W.	.....	Fair.
Wilmington, N C	29.98	69	89	S. W.	10	0	0	.....	.....	Clear.
Yankton, Dak	29.91	30	92	N.	13	4-4	.....	.....	.01	Light snow.


WAR DEPARTMENT WEATHER MAP.
SIGNAL SERVICE, U.S. ARMY.
Division of Telegrams and Reports for the Benefit of Commerce and Agriculture
Washington, Tuesday, April 8, 1873.—11 P. M.
All Observations made at the same moment of actual (not local) time.
REFERENCES.
CLEAR
CLOUDY
SNOW
FAIR
RAIN
Note
Isobarometric lines
Isothermal
PUBLISHED BY ORDER OF THE SECRETARY OF WAR
Portland
Virginia City
Humboldt City
San Francisco
Denver
Leavenworth
St Louis
Ft Gibson
Little Rock
Galveston
Indianola
Brownsville
Ft Sully
St Paul
Duluth
Marquette
Escanaba
Mackinaw
Chicago
Detroit
Toledo
Cleveland
Buffalo
Oswego
Albany
Boston
Portland
Burlington
Montreal
Quebec
New Haven
Philadelphia
Washington
Pittsburgh
Cincinnati
Louisville
Nashville
Memphis
Vicksburg
Atlanta
Augusta
Charleston
Savannah
Fernandina
Jacksonville
Key West
Havana
Santiago de Cuba
SDOMINGO

WASHINGTON, D. C.,
TUESDAY, *April* 8, 1873—11 *p. m.*

SYNOPSIS.

The area of lowest barometer, that was Monday afternoon in Arkansas, is now apparently central in Illinois. Northeasterly winds, with cloud and rain, prevail in Southern Wisconsin and over the Lower Lakes, and with partly cloudy or threatening weather in New England. Southwesterly winds, with clear weather, continue on the South Atlantic coast, and have been generally reported from the Eastern Gulf States. Northerly winds, with snow, have prevailed over Missouri, and are now reported from Iowa and Minnesota. Northwesterly winds and partly cloudy and clearing weather prevail in the Southwest.

PROBABILITIES.

The lowest barometer prevail on Wednesday over the Lower Lakes, extending northward into Canada. For the Northwest and the Missouri Valley, continued northerly winds and cloudy weather. For the Southwest, cold northwesterly winds, partly cloudy and clearing weather. For the Eastern Gulf and South Atlantic States, southwesterly winds, partly cloudy and clear weather. For the Middle Atlantic coast, easterly winds, veering to southerly, with rising barometer and partly cloudy and clear weather. For New York and New England, light easterly winds and partly cloudy weather. For the Lower Lakes, easterly winds, cloud, and rain. For Lake Michigan, variable brisk winds, followed by westerly winds and possibly snow.

Cautionary signals continue at Milwaukee, Chicago, Grand Haven, Detroit, Toledo, Cleveland, Buffalo, Rochester, Oswego, and are ordered for Duluth.

FACTS—7.35 A. M., (*following the above "Probabilities."*)

WIND AND WEATHER.

(1.) *Clear.*—At San Francisco, wind SW., gentle; Indianola and Lake City, wind SW., fresh; Cape May, wind S., fresh; Pembina, wind SE., fresh; Jacksonville, wind SE., brisk.

(2.) *Fair.*—At Cheyenne, wind N., gentle; Augusta, Charleston, Lynchburg, and Savannah, wind S., fresh; Breckenridge, wind NW., fresh; Norfolk, wind SW., fresh; Punta Rassa, wind SE., fresh; Davenport, wind SW., brisk; Key West, wind SE., brisk; New Orleans, wind NW., brisk.

(3.) *Cloudy.*—At Burlington, wind N., light; Corinne, wind SE., light; Pittsburgh, wind W., light; Quebec, wind E., light; Baltimore and Portland, Me., wind NE., gentle; Boston, Buffalo, and Rochester, wind E., fresh; Eastport, wind NE., fresh; Keokuk, wind SW., fresh; Memphis and Nashville, wind W., fresh; Mobile and Wilmington, wind NW., fresh; Washington, wind S., fresh; Chicago, Cincinnati, Milwaukee, and Saint Louis, wind SW., brisk; New London and New York, wind E., brisk; Oswego, wind SE., brisk; Philadelphia, wind NE., brisk; Yankton, wind W., brisk; Escanaba, wind SE., high.

(4.) *Rainy.*—At Detroit and Saugeen, calm; Stanley, wind S., light; Knoxville, wind SW., gentle; Louisville, wind W., gentle; Montreal, wind NE., gentle; Cleveland and Toledo, wind S., fresh; Cincinnati and Montgomery, wind SW., fresh; Toronto, wind E., brisk.

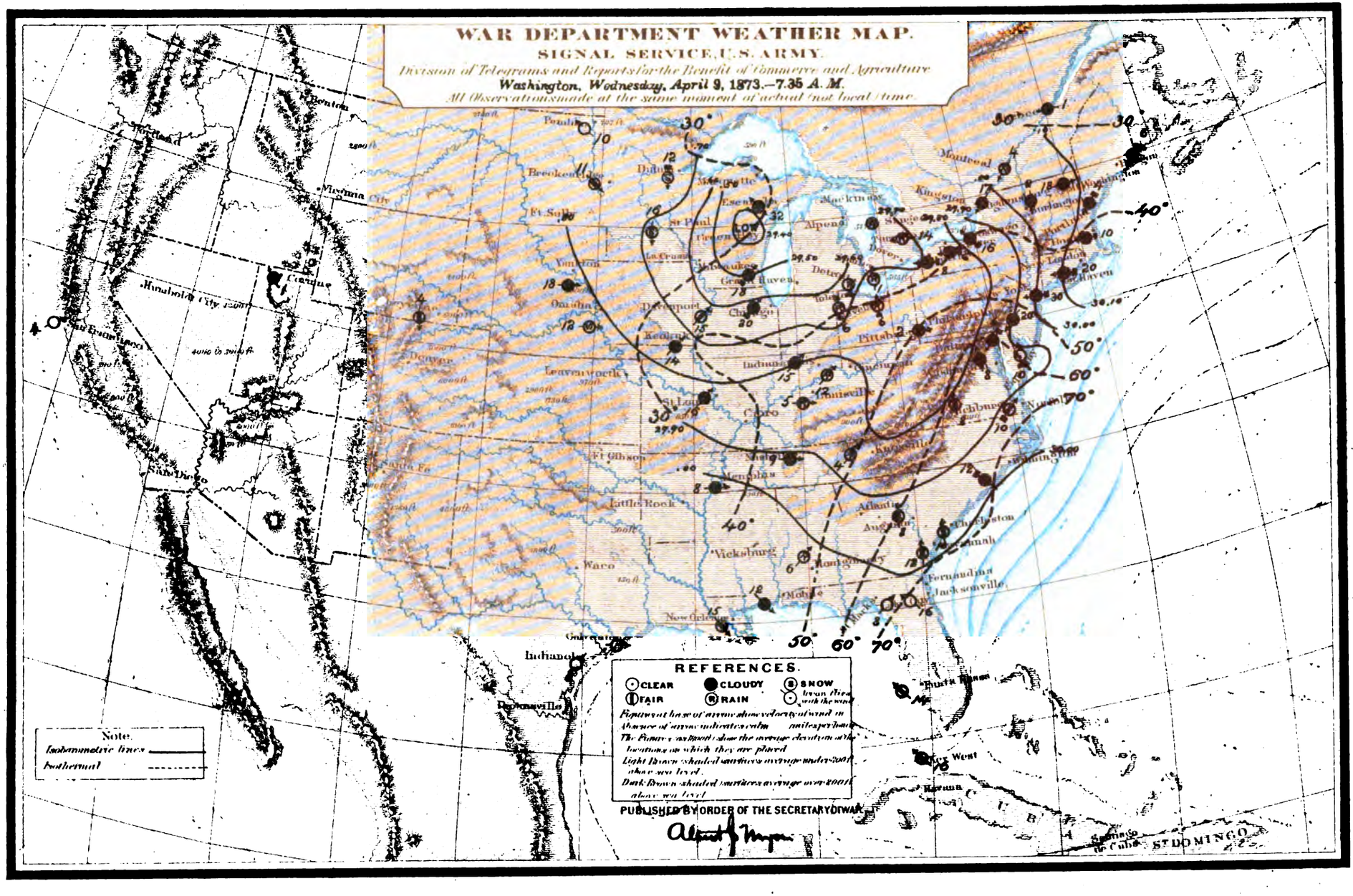
(5.) *Snowy.*—At Duluth wind N., fresh; Omaha, wind W., fresh; Saint Paul, wind N., brisk.

GENERAL REMARKS AS TO VERIFICATIONS.

The above "Probabilities" were generally verified, except "for the Northwest and the Missouri Valley, continued northerly winds and cloudy weather," "for the Southwest, cold northwesterly winds," "for the South Atlantic States, partly cloudy and clear weather," "for the Middle Atlantic States, partly cloudy and clear weather," and "for the Lower Lakes, cloudy weather," partly verified; "the lowest barometer prevail on Wednesday over the Lower Lakes," and "for New York and New England, light winds," not verified.

METEOROLOGICAL RECORD, APRIL 9, 1873—7.35 P. M.

Place of observation.	Barometer.	Thermometer.	Relative humidity, per cent.	Wind.		Clouds.			Rain-fall in last 8 hours.	State of the weather.
				Direction.	Velocity.	Amount of lower.	Amount of upper.	Direction of upper.		
*Alpena, Mich	29.69	34	89	E.	7	4-4	.....	.....	.13	Light rain.
Augusta, Ga	29.93	66	73	S.	8	0	1-4	S.	.....	Fair.
Baltimore, Md	29.86	58	76	N. E.	4	2-4	2-4	W.	.....	Cloudy.
Boston, Mass	30.13	43	71	E.	10	4-4	.....	.....	.....	Cloudy.
Breckenridge, Minn	29.78	24	74	N. W.	11	4-4	0	.....	.....	Fair.
Buffalo, N. Y	29.72	42	91	E.	8	4-4	.....	.....	.....	Cloudy.
Burlington, Vt	30.06	33	84	N.	2	4-4	.....	.....	.03	Threatening.
*Cairo, Ill	29.94	35	100	W.	10	4-4	.....	.....	.....	Sleet.
Cape May, N. J	29.87	51	86	S.	10	0	Hazy..	.....	.....	Clear.
Charleston, S. C	29.99	69	69	S.	10	Hazy..	1-4	S. W.	.....	Fair.
Cheyenne, Wyo	29.74	26	67	N.	4	0	1-4	N. W.	.....	Fair.
Chicago, Ill	29.67	37	71	S. W.	20	1-4	3-4	S. W.	.01	Cloudy.
Cincinnati, Ohio	29.83	48	78	S. W.	12	4-4	.....	.....	.49	Light rain.
Cleveland, Ohio	29.74	48	96	S.	6	4-4	.....	.....	.04	Light rain.
Corinne, Utah	29.98	38	76	S. E.	1	4-4	.....	.....	.....	Cloudy.
Davenport, Iowa	29.66	33	89	S. W.	15	2-4	2-4	S. W.	.....	Clearing.
*Denver, Colo	29.82	24	74	S.	2	0	1-4	N. W.	.....	Fair.
Detroit, Mich	29.70	38	95	Calm.	0	4-4	.....	.....	.34	Light rain.
Duluth, Minn	29.78	29	88	N.	12	4-4	.....	.....	.04	Light rain.
Eastport, Me	30.12	34	90	N. E.	6	4-4	.....	.....	.....	Cloudy.
Escanaba, Mich	29.42	35	90	S. E.	32	4-4	.....	.....	.02	Cloudy.
*Fort Benton, Mont	29.99	34	90	N. W.	5	2-4	2-4	N. W.	.11	Cloudy.
Fort Garry, Manitoba	29.68	22	95	S.	3	0	0	.....	.....	Clear.
*Fort Gibson, I. T	30.05	33	80	N. E.	8	1-4	1-4	W.	.....	Cloudy.
*Fort Sully, Dak	29.88	18	77	S. E.	4	0	0	.....	.....	Clear.
*Galveston, Tex	30.24	44	67	W.		0	Hazy..	.....	.....	Clear.
*Grand Haven, Mich	29.59	37	80	S. W.	21	4-4	.....	.....	.22	Cloudy.
Indianapolis, Ind	29.81	41	73	S. W.	15	4-4	.....	.....	.13	Cloudy.
*Indianola, Tex	30.28	47	62	S. W.	6	0	0	.....	.....	Clear.
Jacksonville, Fla	30.02	73	76	S. E.	16	0	0	.....	.....	Clear.
Keokuk, Iowa	29.72	41	80	S. W.	14	0	4-4	W.	.....	Cloudy.
Key West, Fla	30.05	78	72	S. E.	16	0	2-4	S. E.	.....	Fair.
Kingston, Canada	29.91	35	75	N. E.	17	4-4	.....	.....	.01	Threatening.
Knoxville, Tenn	29.88	52	89	S. W.	4	4-4	.....	.....	.13	Light rain.
*La Crosse, Wis	29.46	27	88	N. W.	1	4-4	.....	.....	.06	Cloudy.
Lake City, Fla	30.00	71	90	S. W.	8	0	0	.....	.....	Clear.
*Leavenworth, Kans	29.84	29	77	W.	7	2-4	1-4	N. W.	.....	Fair.
Louisville, Ky	29.82	43	83	W.	5	4-4	.....	.....	.47	Light rain.
Lynchburg, Va	29.82	67	69	S.	8	Smoky	2-4	S. W.	.....	Fair.
*Marquette, Mich	29.51	30	100	E.	12	4-4	.....	.....	.03	Light snow.
Memphis, Tenn	30.07	40	55	W.	8	4-4	.....	.....	.02	Cloudy.
Milwaukee, Wis	29.52	33	90	S. W.	18	0	4-4	W.	.15	Cloudy.
Mobile, Ala	30.16	47	85	N. W.	12	4-4	.....	.....	.10	Cloudy.
Montgomery, Ala	30.01	54	86	S. W.	6	4-4	.....	.....	.29	Light rain.
Montreal, Canada	30.06	34	89	N. E.	4	4-4	.....	.....	.03	Light rain.
Mount Washington, N. H	30.10	32	89	W.	18	4-4	.....	.....	.....	Cloudy.
Nashville, Tenn	29.94	43	83	W.	9	4-4	.....	.....	.....	Cloudy.
New London, Conn	30.11	46	73	E.	22	4-4	.....	.....	.....	Threatening.
*New Orleans, La	30.21	49	55	N. W.	15	3-4	.....	.....	.09	Clearing.
New York, N. Y	30.01	47	92	E.	30	4-4	.....	.....	.....	Cloudy.
Norfolk, Va	29.95	70	82	S. W.	10	0	1-4	.....	.....	Fair.
Omaha, Nebr	29.81	29	89	W.	12	4-4	.....	.....	.....	Light snow.
Oswego, N. Y	29.82	44	79	S. E.	16	4-4	.....	.....	.01	Threatening.
Pembina, Dak	29.74	23	86	S. E.	10	0	0	.....	.....	Clear.
Philadelphia, Pa	29.94	50	89	N. E.	20	4-4	.....	.....	.....	Cloudy.
Pittsburgh, Pa	29.73	58	76	W.	2	Smoky	3-4	S. W.	.....	Cloudy.
*Port Dover, Canada	29.73	36	100	N. E.	3	4-4	.....	.....	.03	Threatening.
Port Stanley, Canada	29.76	35	98	S.	1	4-4	.....	.....	.02	Light rain.
Portland, Me	30.14	40	73	N. E.	4	2-4	2-4	S. W.	.....	Cloudy.
*Portland, Oreg	30.37	41	82	S. E.	2	Hazy..	Hazy..	.....	.....	Fair.
Punta Rassa, Fla	30.07	74	85	S. E.	14	0	1-4	S.	.....	Fair.
Quebec, Canada	30.18	30	84	E.	1	4-4	.....	.....	.....	Cloudy.
Rochester, N. Y	29.78	37	95	E.	6	Fog ...	.....	.....	.....	Threatening.
*San Diego, Cal	30.06	46	54	Calm.	0	0	1-4	S.	.....	Fair.
San Francisco, Cal	30.10	73	85	S. W.	4	0	0	.....	.....	Clear.
*Santa Fé, N. Mex	29.72	29	34	N.	7	0	4-4	N. W.	.....	Fair.
Saugeen, Canada	29.69	36	90	Calm.	0	4-4	.....	.....	.24	Light rain.
Savannah Ga	30.00	72	75	S.	12	Smoky	1-4	.....	.....	Fair.
*Shreveport, La	30.14	37	81	S.	7	0	0	.....	.....	Clear.
Saint Louis, Mo	29.84	36	80	S. W.	16	4-4	.....	.....	.....	Cloudy.
Saint Paul, Minn	29.64	25	87	N.	16	4-4	.....	.....	.18	Light snow.
Toledo, Ohio	29.70	43	91	S.	6	4-4	.....	.....	.23	Light rain.
Toronto, Canada	29.74	35	98	E.	19	4-4	.....	.....	.09	Heavy rain.
*Vicksburg, Miss	30.21	42	73	W.	10	0	0	.....	.....	Clear.
Virginia City, Mont	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Washington, D. C	29.82	67	64	S.	8	Hazy..	3-4	W.	.....	Cloudy.
Wilmington, N. C	30.01	72	85	N. W.	12	4-4	.....	.....	.....	Cloudy.
Yankton, D. T	29.82	27	88	W.	18	4-4	.....	.....	.01	Cloudy.


WAR DEPARTMENT WEATHER MAP.
SIGNAL SERVICE, U.S. ARMY.
Division of Telegrams and Reports for the Benefit of Commerce and Agriculture
Washington, Wednesday, April 9, 1873.—7.35 A. M.
All Observations made at the same moment of actual (not local) time.
REFERENCES.
CLEAR
CLOUDY
SNOW
FAIR
RAIN
PUBLISHED BY ORDER OF THE SECRETARY OF WAR
Note.
Isobarometric lines
Isothermal
Portland
Boston
Montana City
Humboldt City
Cariboo
San Francisco
San Diego
Denver
Leavenworth
Ft Sully
Yankton
Omaha
Brookings
Ft Gibson
Santa Fe
Little Rock
Waco
New Orleans
Galveston
Indianola
Brownsville
Vicksburg
Mobile
Memphis
St Louis
Cairo
Chicago
Milwaukee
Green Bay
Detroit
Cleveland
Pittsburg
Indianapolis
Louisville
Cincinnati
Atlanta
Augusta
Savannah
Charleston
Fernandina
Jacksonville
Montgomery
Norfolk
Washington
Philadelphia
New York
Boston
Montreal
Kingston
Toronto
Buffalo
Alpena
Mackinac
Marquette
St Paul
Duluth
Key West
Havana
ST DOMINGO

WASHINGTON, D. C.,
WEDNESDAY, *April* 9, 1873—7.35 *a. m.*

SYNOPSIS.

The storm-centre, that was Tuesday morning over the Lower Ohio, has moved northeastward and then apparently northward to Upper Michigan, where the barometer is now lowest. The pressure has diminished during the night on Lake Ontario, but has risen decidedly over New Jersey and New England; it has fallen in the extreme Northwest, and risen in the Southwest. Heavy rains have been reported from Tennessee and the Lower Lakes and thence to Lake Michigan. Cold northwesterly winds, with cloud and snow, have prevailed in the Missouri Valley and Southern Minnesota. Increasing easterly winds, with threatening weather and light rain, have prevailed on the New England coast. Southwesterly winds, with partly cloudy and clear weather, have prevailed in the South Atlantic States. Cloudy weather, with light rain and falling temperature, are now reported from Alabama and Tennessee.

PROBABILITIES.

During the rest of Wednesday the barometer continue falling over the Lower Lakes, Lake Huron, and Canada. For the Upper Lakes, increasing winds and rising barometer. On Lake Superior, cloudy weather, with light snow. On Lake Michigan, cloudy and clearing weather. The barometer fall in the extreme Northwest, with southerly winds. In the Southwest and Gulf States, cool westerly winds and cloudy weather. In the South Atlantic States, southwesterly winds and partly cloudy weather, except in Georgia, where cloudy and rainy weather is more probable. For the Middle Atlantic States, increasing southeast and southwest winds, with partly cloudy weather and rising temperature, followed Wednesday evening by cloudy weather, falling temperature, and winds veering to westerly. In New England, increasing easterly winds, threatening and rainy weather. For the Lower Lakes, continued rainy weather and easterly winds, veering to southwest.

Cautionary signals continue at Duluth, Milwaukee, Chicago, Grand Haven, Detroit, Toledo, Cleveland, Buffalo, Rochester, and Oswego, and are ordered for Boston, Portland, Me., Eastport, Wood's Hole, New London, New Haven, New York, Cape May, Baltimore, Norfolk, and Wilmington.

FACTS—4.35 P. M., (*following the above "Probabilities."*)

WIND AND WEATHER.

(1.) *Clear.*—At Montgomery, wind SW., light; New Orleans, wind N., fresh; Portland, Oreg, wind W., fresh; Shreveport and Vicksburg, wind SW., fresh; Mobile, wind NW., fresh; Indianola, wind S., brisk; San Francisco, wind SW., brisk.

(2.) *Fair.*—At Toronto, calm; Fort Gibson, wind S., gentle; Breckenridge, Pembina, and Yankton, wind NW., fresh; Cheyenne, wind W., fresh; Denver, wind E., fresh; Key West, wind SE., fresh; Cape May, wind S., fresh; Leavenworth and Memphis, wind SW., fresh; New York, wind NE., fresh; Charleston, Norfolk, and Washington, wind S., brisk; Knoxville and Jacksonville, wind W., brisk; Indianapolis, Punta Rassa, and Saint Louis, wind SW., brisk.

(3.) *Cloudy.*—At Augusta, wind SW., gentle; Burlington, wind S., gentle; Montreal, wind NE., gentle; Baltimore and Eastport, wind NE., fresh; Cincinnati and Nashville, wind W., fresh; Kingston, wind SE., fresh; Lake City and Saint Paul, wind NW., fresh; Santa Fé, wind SW., fresh; Boston, Philadelphia, and New London, wind E., brisk; Cairo, Chicago, Grand Haven, and Louisville, wind SW., brisk; Detroit, Keokuk, and Milwaukee, wind W., brisk; Oswego, wind SE., brisk; Portland, Me., wind NE., brisk.

(4.) *Rainy.*—At Dover, calm; Buffalo, wind SW., light; Stanley, wind SE., light; Cleveland, wind SW., fresh; Pittsburgh, wind NW., fresh; Rochester, wind N., fresh; Quebec, wind E., high.

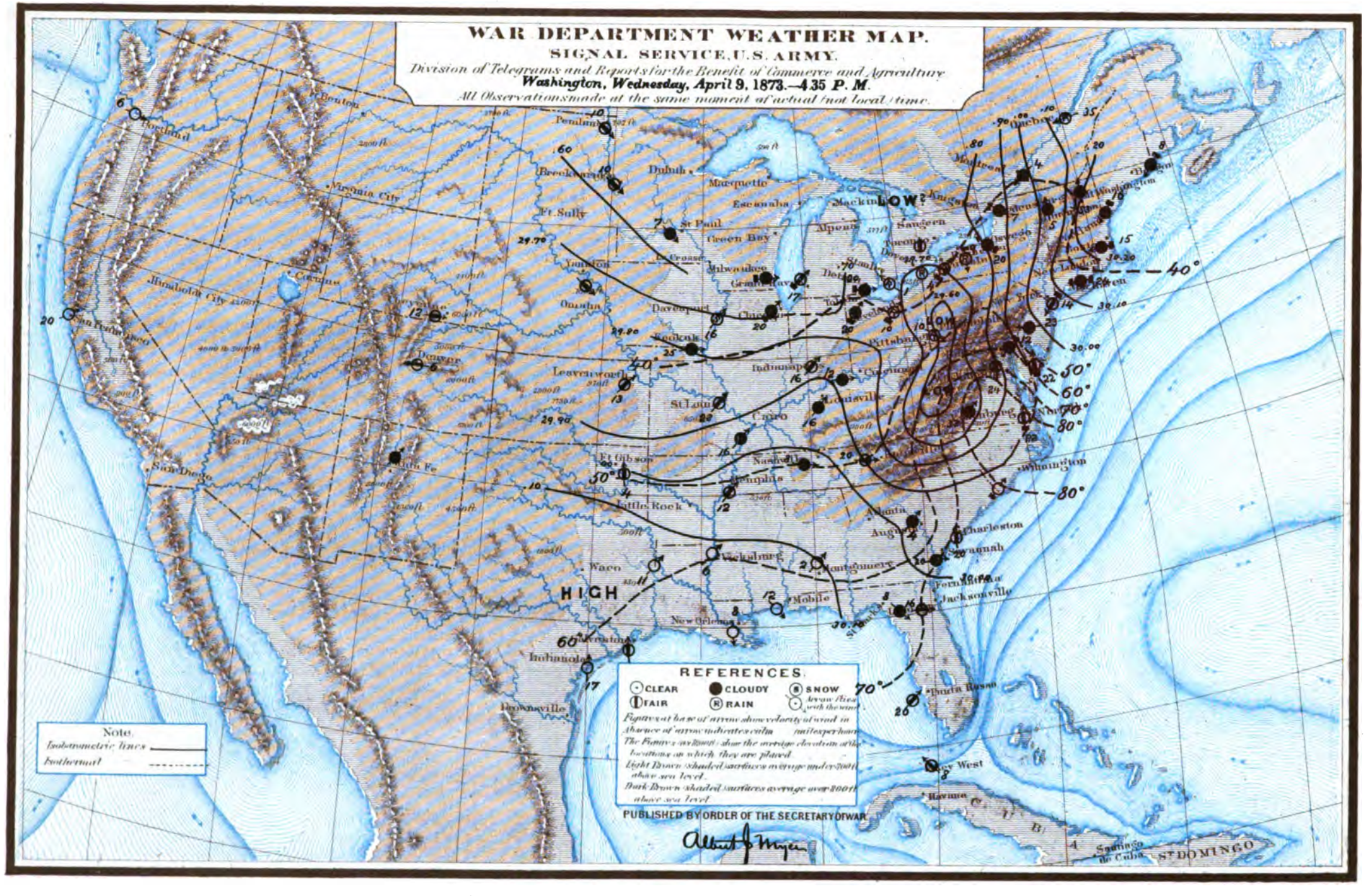
(5.) *Snowy.*—At Davenport, wind SW., brisk.

GENERAL REMARKS AS TO VERIFICATIONS.

The above "Probabilities" were generally verified, except "for the Middle Atlantic States, rising temperature, followed Wednesday evening by cloudy weather," partly verified; "in the extreme Northwest, southerly winds," and "in the Southwest and Gulf States, cloudy weather," not verified.

METEOROLOGICAL RECORD, APRIL 9, 1873—4.35 P. M.

Place of observation.	Barometer.	Thermometer.	Relative humidity per cent.	Wind.		Clouds.			Rain-fall in last 8 hours.	State of the weather.
				Direction.	Velocity.	Amount of lower.	Amount of upper.	Direction of upper.		
*Alpena, Mich	29.60	39	64	S.	16	4-4	.....	.....	.03	Cloudy.
Augusta, Ga	30.06	58	82	S. W.	4	4-4	.....	.....	.32	Cloudy.
Baltimore, Md	29.71	69	59	N. E.	12	Smoky	4-4	S. W.	.....	Cloudy.
Boston, Mass	30.15	39	82	E.	15	4-4	.....	.....	.....	Threatening.
Breckenridge, Minn	29.65	37	71	N. W.	10	0	1-4	N. W.	.....	Fair.
Buffalo, N. Y	29.69	42	96	S. W.	4	4-4	.....	.....	.26	Light rain.
Burlington, Vt	29.93	44	67	S.	5	4-4	.....	.....	.....	Threatening.
Cairo, Ill	29.94	67	72	S. W.	16	0	3-4	S.	.....	Cloudy.
Cape May, N. J	29.82	50	100	S.	22	Fog	.....	.....	.....	Foggy.
Charleston, S. C	29.92	75	72	S.	20	Hazy	2-4	W.	.....	Fair.
Cheyenne, Wyo	29.76	41	38	W.	12	0	2-4	W.	.....	Fair.
Chicago, Ill	29.71	39	64	S. W.	20	0	4-4	S. W.	.....	Cloudy.
Cincinnati, Ohio	29.92	47	48	W.	12	4-4	.....	.....	.12	Cloudy.
Cleveland, Ohio	29.76	47	85	S. W.	10	4-4	.....	.....	.63	Light rain.
*Corinne, Utah	30.01	50	18	N. W.	12	0	2-4	W.	.....	Fair.
Davenport, Iowa	29.76	37	81	S. W.	16	4-4	.....	.....	.04	Light snow.
Denver, Colo	29.80	49	31	E.	6	0	2-4	N. W.	.....	Fair.
Detroit, Mich	29.68	42	58	W.	20	0	4-4	.....	.....	Cloudy.
*Duluth, Minn	29.47	35	63	Calm.	0	4-4	.....	.....	.02	Cloudy.
Eastport, Me	30.26	35	80	N. E.	8	4-4	.....	.....	.....	Cloudy.
*Escanaba, Mich	29.44	33	80	S.	32	4-4	.....	.....	.....	Cloudy.
*Fort Benton, Mont	30.02	47	34	N. W.	8	0	3-4	N. W.	.....	Fair.
Fort Garry, Manitoba	29.52	43	48	S. W.	3	1-4	2-4	.....	.....	Fair.
Fort Gibson, I. T	30.10	51	44	S.	4	0	1-4	S. W.	.....	Fair.
*Fort Sully, Dak	29.71	48	56	N. W.	23	4-4	.....	.....	.....	Cloudy.
Galveston, Tex	30.16	63	36	S.		0	1-4	W.	.....	Fair.
Grand Haven, Mich	29.64	37	71	S. W.	17	4-4	.....	.....	.....	Cloudy.
Indianapolis, Ind	29.87	46	60	S. W.	16	1-4	2-4	S. W.	.....	Fair.
Indianola, Tex	30.19	67	31	S.	17	0	0	.....	.....	Clear.
Jacksonville, Fla	30.01	77	65	W.	16	0	2-4	W.	.....	Fair.
Keokuk, Iowa	29.81	41	65	W.	25	4-4	.....	.....	.02	Cloudy.
Key West, Fla	30.04	83	64	S. E.	8	0	2-4	.....	.....	Fair.
Kingston, Canada	29.79	45	84	S. E.	7	4-4	.....	.....	.....	Cloudy.
Knoxville, Tenn	30.00	52	53	W.	20	0	3-4	W.	.....	Clearing.
La Crosse, Wis	29.61	33	66	S. W.	7	4-4	.....	.....	.63	
Lake City, Fla	30.07	65	94	N. W.	8	4-4	.....	.....	.28	Cloudy.
Leavenworth, Kans	29.83	46	47	S. W.	13	2-4	0	.....	.02	Fair.
Louisville, Ky	29.94	44	45	S. W.	16	2-4	2-4	W.	.....	Cloudy.
Lynchburg, Va	29.62	81	41	S. W.	32	Smoky	4-4	S. W.	.....	Threatening.
*Marquette, Mich	29.42	36	70	S. W.	16	3-4	.....	.....	.01	Cloudy.
Memphis, Tenn	30.04	57	25	S. W.	12	0	1-4	W.	.....	Fair.
Milwaukee, Wis	29.56	35	67	W.	18	1-4	3-4	S. W.	.....	Cloudy.
Mobile, Ala	30.14	64	25	N. W.	12	0	0	.....	.....	Clear.
Montgomery, Ala	30.12	60	38	S. W.	2	0	0	.....	.....	Clear.
Montreal, Canada	29.86	40	82	N. E.	4	0	4-4	N. E.	.27	Cloudy.
Mount Washington, N. H	30.07	31	89	S.	53	4-4	.....	.....	.....	Threatening.
Nashville, Tenn	30.04	51	40	W.	8	0	4-4	W.	.....	Cloudy.
New London, Conn	30.07	43	83	E.	24	4-4	.....	.....	.....	Threatening.
New Orleans, La	30.15	60	29	N.	8	0	0	.....	.....	Clear.
New York, N. Y	29.98	43	83	N. E.	14	Fog	.....	.....	.....	Foggy.
Norfolk, Va	29.80	83	51	S.	22	0	Hazy	.....	.....	Fair.
Omaha, Nebr	29.65	48	10	S. W.	12	4-4	.....	.....	.....	Cloudy.
Oswego, N. Y	29.72	46	83	S. E.	20	4-4	.....	.....	.....	Threatening.
Pembina, Dak	29.58	41	48	N. W.	10	2-4	1-4	.....	.....	Fair.
Philadelphia, Pa	29.86	45	85	E.	23	4-4	.....	.....	.....	Threatening.
Pittsburgh, Pa	29.72	51	86	N. W.	10	4-4	.....	.....	.30	Light rain.
Port Dover, Canada	29.75	35	100	Calm.	0	4-4	.....	.....	.21	Light rain.
Port Stanley, Canada	29.72	38	99	S. E.	1	4-4	.....	.....	.17	Light rain.
Portland, Me	30.20	36	80	N. E.	16	2-4	2-4	.....	.....	Cloudy.
Portland, Oreg	30.24	55	50	W.	6	Smoky	0	.....	.....	Clear.
Punta Rassa, Fla	30.06	81	74	S. W.	20	0	2-4	W.	.....	Fair.
Quebec, Canada	30.10	32	100	E.	35	4-4	.....	.....	.10	Heavy rain.
Rochester, N. Y	29.70	48	96	N.	9	4-4	.....	.....	.07	Light rain.
*San Diego, Cal	30.01	63	57	N. W.	17	0	0	.....	.....	Clear.
San Francisco, Cal	30.03	59	57	S. W.	20	0	0	.....	.....	Clear.
*Santa Fé, N. Mex	29.65	48	10	S. W.	1	4-4	.....	.....	.....	Cloudy.
*Saugeen, Canada	29.63	42	83	S.	7	1-4	2-4	S.	.14	Light rain.
Savannah, Ga	30.01	73	56	W.	20	2-4	2-4	S. W.	.....	Cloudy.
Shreveport, La	30.05	66	23	S. W.	11	0	0	.....	.....	Clear.
Saint Louis, Mo	29.88	46	25	S. W.	28	0	2-4	W.	.....	Fair.
Saint Paul, Minn	29.61	36	90	N. W.	12	4-4	.....	.....	.05	Cloudy.
Toledo, Ohio	29.75	43	58	S. W.	20	4-4	.....	.....	.02	Cloudy.
Toronto, Canada	29.72	37	99	Calm.	0	Fog	.....	.....	.27	Foggy.
Vicksburg, Miss	30.12	62	36	S. W.	6	0	0	.....	.....	Clear.
Virginia City, Mont	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Washington, D. C	29.63	83	40	S.	24	Smoky	1-4	S. W.	.....	Fair.
Wilmington, N. C	29.93	79	58	S. W.	High.	0	0	.....	.....	Clear.
Yankton, D. T	29.69	45	68	N. W.	11	0	1-4	.....	.....	Fair.


WAR DEPARTMENT WEATHER MAP.
SIGNAL SERVICE, U.S. ARMY.
Division of Telegrams and Reports for the Benefit of Commerce and Agriculture.
Washington, Wednesday, April 9, 1873.—4.35 P. M.
All Observations made at the same moment of actual (not local) time.
LOW
HIGH
REFERENCES.
CLEAR
CLOUDY
SNOW
FAIR
RAIN
Note.
Isobarometric lines
Isothermal
PUBLISHED BY ORDER OF THE SECRETARY OF WAR.
Albert J. Myer
Portland
Boston
Virginia City
Ft. Sully
Duluth
Marquette
Escanaba
St Paul
Green Bay
Milwaukee
Chicago
Davenport
Keokuk
Omaha
Yankton
Cheyenne
Denver
Leavenworth
St Louis
Cairo
Indianapolis
Louisville
Pittsburg
Cleveland
Detroit
Toronto
Montreal
Quebec
Portland
Boston
Washington
Norfolk
Wilmington
Charleston
Savannah
Jacksonville
Augusta
Atlanta
Montgomery
Mobile
New Orleans
Vicksburg
Little Rock
Memphis
Nashville
Ft Gibson
Waco
Galveston
Indianola
Brownsville
Santa Fe
San Diego
San Francisco
Humboldt City
Carson
Key West
Havana
Santiago de Cuba
ST DOMINGO

WASHINGTON, D. C.,
WEDNESDAY, *April* 9, 1873—4.35 *p. m.*

SYNOPSIS.

The area of low barometer, that was central in Southern Indiana on Tuesday afternoon, after suddenly moving northward to Upper Michigan, is now apparently central some distance north of Lake Ontario. A branch area has passed as a rain-storm northeastward over Eastern Tennessee into Western Maryland. The area of very warm weather, with southwesterly winds, is now confined to North Carolina and Virginia. Cold westerly winds prevail from Kentucky and Lake Erie westward to the Missouri Valley, and snow has been reported during the day from Wisconsin, Iowa, and Nebraska. The barometer has fallen, with southerly winds increasing to brisk, in the Southwest. Brisk and high southerly winds now prevail on the Southern and Middle Atlantic coasts. Easterly winds, with threatening and foggy weather, in New England, where the barometer has very generally risen and temperature fallen. North and east winds, with light rain, are reported from Lake Ontario, and brisk southwest winds, with rain, from Lake Erie; brisk southwest winds, with cloudy weather, on Lake Michigan. The rivers have risen at Cairo, Saint Louis, and Vicksburg, and have fallen at New Orleans, Nashville, Cincinnati, Pittsburgh, and Davenport.

PROBABILITIES.

The storm-centre in Virginia and Pennsylvania move northeastward over Cape Cod on Thursday. For Thursday, in New England, increasing easterly winds, with rain. For the Middle and South Atlantic States, brisk westerly winds and cool, clearing weather. For New York and the Lower Lakes, cold westerly winds and cloudy weather. For the Eastern Gulf States and Ohio Valley, southwesterly winds, partly cloudy and clear weather. For the Southwest, falling barometer and southerly winds, with generally clear weather. Afternoon telegraphic reports are missing from the Upper Lakes.

Cautionary signals continue at Duluth, Milwaukee, Chicago, Grand Haven, Detroit, Toledo, Cleveland, Buffalo, Rochester, Oswego, Eastport, Portland, Me., Boston, Wood's Hole, New London, New Haven, New York, Cape May, Baltimore, Norfolk, and Wilmington.

FACTS—11 P. M., (*following the above "Probabilities."*)

WIND AND WEATHER.

(1.) *Clear.*—At Duluth, Montgomery, Nashville, and Shreveport, calm; Corinne, wind NW., light; Mobile, wind N., light; Cincinnati, wind S., gentle; Cairo, wind SW., gentle; Memphis and New Orleans, wind S., gentle; Portland, Oreg., Augusta, and Saint Louis, wind W., fresh; Cleveland and Louisville, wind S., fresh; Indianapolis and San Francisco, wind SW., fresh; Keokuk, wind SW., brisk.

(2.) *Fair.*—At Omaha and Virginia City, calm; Breckenridge, wind SE., light; Pembina, wind NW., light; Cheyenne and Santa Fé, wind N., fresh; Detroit and La Crosse, wind SW., fresh; Fort Sully, Leavenworth, and Washington, wind NW., fresh; Pittsburgh and Saint Paul, wind W., fresh; Lynchburg and Toledo, wind SW., brisk.

(3.) *Cloudy.*—At Burlington, wind S., gentle; Savannah, Toronto, and Yankton, wind W., gentle; Buffalo, Dover, and Saugeen, wind SW., fresh; Charleston, wind W., fresh; Chicago, wind SW., brisk; Denver, wind N., brisk; Milwaukee, wind W., brisk; Quebec, wind E., high.

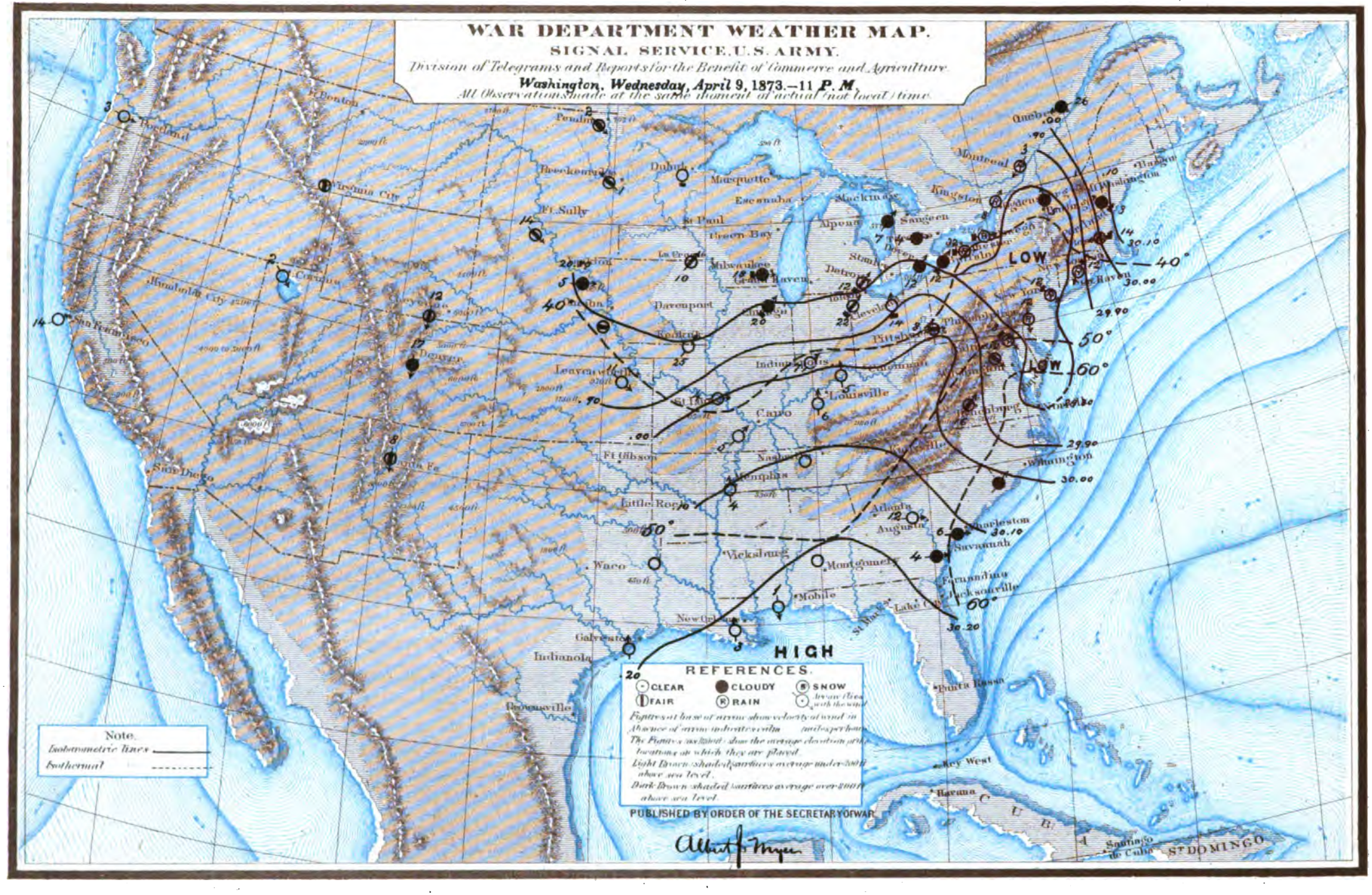
(4.) *Rainy.*—At Montreal, wind NE., gentle; Boston, wind E., fresh; Baltimore and New York, wind NW., fresh; Kingston, wind SW., fresh; New London, wind NE., fresh; Oswego, wind W., fresh; Philadelphia, wind N., fresh; Rochester, wind W., high.

GENERAL REMARKS AS TO VERIFICATIONS.

The above "Probabilities" were generally verified, except "for Thursday in New England, increasing easterly winds, with rain," "for the Middle and South Atlantic States, brisk westerly winds," and "for New York and the Lower Lakes, cloudy weather," partly verified.

METEOROLOGICAL RECORD, APRIL 9, 1873—11 P. M.

Place of observation.	Barometer.	Thermometer.	Relative humidity, per cent.	Wind.		Clouds.			Rain-fall in last 8 hours.	State of the weather.
				Direction.	Velocity.	Amount of lower.	Amount of upper.	Direction of upper.		
*Alpena, Mich	29.65	36	61	S.	9	2-4	0	.....	.....	Cloudy.
Augusta, Ga	30.19	52	53	W.	12	0	0	.....	.....	Clear.
Baltimore, Md	29.86	55	90	N. W.	8	4-4	.....	.....	.27	Light rain.
Boston, Mass	30.05	38	95	E.	14	4-4	.....	.....	.09	Light rain.
Breckenridge, Minn	29.71	32	79	S. E.	1	Hazy..	1-4	N. W.	.....	Fair.
Buffalo, N. Y	29.80	39	82	S. W.	12	4-4	.....	.....	.....	Cloudy.
Burlington, Vt	29.79	40	81	S.	5	4-4	.....	.....	.....	Threatening.
Cairo, Ill	30.08	46	60	S. W.	5	0	0	.....	.....	Clear.
*Cape May, N. J	29.77	52	100	S.	12	Fog...	.....	.....	.....	Foggy.
Charleston, S. C	30.13	60	65	W.	6	4-4	.....	.....	.....	Cloudy.
Cheyenne, Wyo	29.91	28	77	N.	12	0	1-4	W.	.....	Fair.
Chicago, Ill	29.84	38	72	S. W.	20	3-4	1-4	W.	.09	Cloudy.
Cincinnati, Ohio	30.07	44	60	S.	5	0	0	.....	.....	Clear.
Cleveland, Ohio	29.96	38	72	S.	14	0	1-4	S. W.	.02	Clear.
Corinne, Utah	30.10	36	61	N. W.	2	0	0	.....	.....	Clear.
*Davenport, Iowa	29.89	37	81	S. W.	10	0	4-4	W.	.....	Cloudy.
Denver, Colo	29.96	38	45	N.	17	4-4	.....	.....	.....	Cloudy.
Detroit, Mich	29.81	36	70	S. W.	12	0	2-4	.....	.....	Fair.
Duluth, Minn	29.57	32	69	Calm.	0	0	1-4	S. W.	.01	Clear.
*Eastport, Me	30.19	35	70	S. E.	6	0	4-4	S. E.	.....	Cloudy.
*Escanaba, Mich	29.48	31	89	S.	12	4-4	.....	.....	.....	Cloudy.
*Fort Benton, Mont	30.02	38	72	Calm.	0	0	3-4	N. W.	.....	Fair.
Fort Garry, Manitoba	29.56	33	89	N. W.	7	2-4	1-4	N. W.	.....	Fair.
*Fort Gibson, Ind. T	30.13	45	53	E.	5	0	4-4	S. W.	.....	Cloudy.
Fort Sully, Dak	29.91	39	73	N. W.	.....	1-4	0	.....	.....	Clearing.
Galveston, Tex	30.20	59	48	S.	.....	0	0	.....	.....	Clear.
*Grand Haven, Mich	29.71	35	80	S. W.	22	4-4	.....	.....	.03	Light snow.
Indianapolis, Ind	30.01	42	73	S. W.	7	0	0	.....	.04	Clear.
*Indianola, Tex	30.22	56	57	S.	7	0	0	.....	.....	Clear.
*Jacksonville, Fla	30.17	61	54	N. W.	4	0	4-4	W.	.....	Cloudy.
Keokuk, Iowa	29.89	39	73	S. W.	25	0	0	.....	.....	Clear.
*Key West, Fla	30.11	78	72	S. E.	8	0	2-4	.....	.....	Fair.
Kingston, Canada	29.79	36	95	S. W.	8	4-4	.....	.....	.40	Light rain.
*Knoxville, Tenn	30.21	42	64	Calm.	0	0	0	.....	.....	Clear.
La Crosse, Wis	29.72	35	70	S. W.	10	1-4	1-4	N. W.	.02	Clearing.
*Lake City, Fla	30.16	56	100	Calm.	0	4-4	.....	.....	.....	Clearing.
Leavenworth, Kans	29.88	41	65	N. W.	11	0	3-4	N. W.	.....	Fair.
Louisville, Ky	30.07	42	66	S.	6	Hazy..	0	.....	.....	Clear.
Lynchburg, Va	29.93	54	64	S. W.	16	0	2-4	S. W.	.07	Fair.
*Marquette, Mich	29.47	32	79	W.	8	0	2-4	W.	.....	Clearing.
Memphis, Tenn	30.13	48	56	S.	4	0	0	.....	.....	Clear.
Milwaukee, Wis	29.67	34	79	W.	18	3-4	Hazy..	.....	.....	Cloudy.
Mobile, Ala	30.25	52	59	N.	1	0	0	.....	.....	Clear.
Montgomery, Ala	30.23	51	72	Calm.	0	0	0	.....	.....	Clear.
Montreal, Canada	29.80	37	85	N. E.	3	4-4	.....	.....	.06	Heavy rain.
*Mount Washington, N. H	29.98	31	89	S.	89	4-4	.....	.....	.....	Cloudy.
Nashville, Tenn	30.14	46	54	Calm.	0	0	0	.....	.....	Clear.
New London, Conn	29.91	41	100	N. E.	12	4-4	.....	.....	.09	Light rain.
New Orleans, La	30.23	55	50	S.	3	0	0	.....	.....	Clear.
New York, N. Y	29.81	42	91	N. W.	12	4-4	.....	.....	.05	Light rain.
*Norfolk, Va	29.88	72	62	S. W.	12	0	4-4	S. W.	.....	Cloudy.
Omaha, Nebr	29.83	45	46	Calm.	0	0	3-4	.....	.....	Fair.
Oswego, N. Y	29.82	31	91	W.	8	4-4	.....	.....	.....	Heavy rain.
Pembina, Dak	30.14	46	89	N. W.	2	1-4	2-4	.....	.....	Fair.
Philadelphia, Pa	29.79	41	96	N.	12	4-4	.....	.....	.....	Heavy rain.
Pittsburgh, Pa	30.01	41	65	W.	8	0	1-4	W.	.25	Fair.
Port Dover, Canada	29.86	38	81	S. W.	12	0	4-4	S. W.	.05	Cloudy.
*Port Stanley, Canada	29.89	55	80	W.	3	0	0	.....	.33	Clear.
Portland, Me	30.12	36	90	S. E.	8	4-4	.....	.....	.....	Cloudy.
Portland, Oreg	30.15	51	79	W.	3	0	Hazy..	.....	.....	Clear.
*Punta Rassa, Fla	30.16	74	85	N.	24	0	2-4	W.	.....	Fair.
Quebec, Canada	30.01	35	100	E.	26	4-4	.....	.....	.....	Cloudy.
Rochester, N. Y	29.79	45	84	W.	32	4-4	.....	.....	.79	Light rain.
*San Diego, Cal	30.01	53	86	Calm.	0	0	0	.....	.....	Clear.
San Francisco, Cal	29.99	51	79	S. W.	14	0	0	.....	.....	Clear.
Santa Fé, N. Mex	29.69	49	19	N.	8	0	3-4	S. W.	.....	Fair.
Saugeen, Canada	29.75	35	70	S. W.	7	2-4	2-4	S. W.	.01	Cloudy.
Savannah, Ga	30.16	59	81	W.	4	4-4	.....	.....	.04	Cloudy.
Shreveport, La	30.12	52	73	Calm.	0	0	0	.....	.....	Clear.
Saint Louis, Mo	30.06	38	58	W.	9	0	0	.....	.....	Clear.
Saint Paul, Minn	29.71	34	71	W.	8	0	1-4	N. W.	.....	Fair.
Toledo, Ohio	29.83	37	70	S. W.	22	0	1-4	S. W.	.....	Fair.
Toronto, Canada	29.79	37	94	W.	4	1-4	3-4	W.	.20	Cloudy.
*Vicksburg, Miss	30.20	53	48	S. E.	10	0	0	.....	.....	Clear.
Virginia City, Mont	29.79	28	39	Calm.	0	0	1-4	.....	.....	Fair.
Washington, D. C	29.83	59	82	N. W.	12	0	3-4	W.	.36	Clearing.
Wilmington, N. C	30.05	64	57	W.	Brisk	4-4	.....	.....	.....	Cloudy.
Yankton, Dak	29.77	39	82	W.	5	1-4	3-4	.....	.....	Cloudy.


WAR DEPARTMENT WEATHER MAP.
SIGNAL SERVICE, U.S. ARMY.
Division of Telegrams and Reports for the Benefit of Commerce and Agriculture.
Washington, Wednesday, April 9, 1873.—11 P. M.
All Observations made at the same moment of actual (not local) time.
LOW
HIGH
REFERENCES.
CLEAR
CLOUDY
SNOW
FAIR
RAIN
Note.
Isobarometric lines
Isothermal
PUBLISHED BY ORDER OF THE SECRETARY OF WAR.
Portland
Virginia City
Humboldt City
San Francisco
San Diego
Denver
Santa Fe
Ft. Sill
Ft. Gibson
Little Rock
Waco
Galveston
Indianola
Brownsville
Duluth
Marquette
Mackinac
St. Paul
Green Bay
Milwaukee
Chicago
Davenport
Rockford
Leavenworth
St. Louis
Cairo
Memphis
Vicksburg
Mobile
New Orleans
Louisville
Indianapolis
Cleveland
Detroit
Pittsburgh
Toronto
Montreal
Quebec
Kingston
Albany
Boston
New York
Philadelphia
Baltimore
Washington
Norfolk
Wilmington
Charleston
Savannah
Augusta
Atlanta
Jacksonville
Key West
Havana
Santiago de Cuba
St. DOMINGO
Punta Rassa

WASHINGTON, D. C.,
WEDNESDAY, *April* 9, 1873—11 *p. m.*

SYNOPSIS.

The storm-centre, that was Tuesday night in Indiana, has moved north and east beyond our stations. A minor depression, that was probably in East Tennessee, has moved northeastward as a pretty extensive local storm, and is now apparently central over Delaware Bay. The barometer has risen during Wednesday over New England, with increasing easterly winds, threatening weather, and light rain. The area of warm southwesterly winds, after being circumscribed to within Virginia and North Carolina, has now apparently entirely disappeared. Rising barometer, falling temperature, and westerly winds, increasing to brisk, prevail on the South Atlantic coast. Clear weather and light winds, with falling temperature and rising barometer, prevail in the Gulf States and northward to the Ohio Valley. Fresh and brisk southerly winds have been reported from the extreme Southwest, where they apparently still continue, but with diminishing force. Northeasterly winds, with rain on the Lower Lakes, are now followed by westerly winds and rain on Lake Ontario, and by southwest winds, partly cloudy and clear weather on Lake Erie.

PROBABILITIES.

The lowest barometer move northeastward along the East Atlantic coast to Cape Cod. For New England on Thursday, easterly winds, cloud, and rain, followed in the evening by northwest winds and clearing weather. For the Middle States, falling temperature, fresh to brisk westerly winds, clearing and clear weather. For the South Atlantic States, rising barometer, light winds, and clear weather. For the Southern States, rising barometer, south and southwest winds, and generally clear weather. For the Lake region, diminishing winds, rising barometer, clear or clearing weather.

Cautionary signals continue at Duluth, Milwaukee, Chicago, Grand Haven, Detroit, Toledo, Cleveland, Buffalo, Oswego, Rochester, Eastport, Portland, Me., Boston, Wood's Hole, New London, New Haven, New York, Cape May, Baltimore, and Norfolk. Midnight reports are missing from the Upper Lakes and Northwest.

FACTS—7.35 A. M., (*following the above "Probabilities."*)

WIND AND WEATHER.

(1.) *Clear.*—At Augusta, calm; Corinne, wind NW., light; New Orleans, wind SW., light; Shreveport, wind S., light; Cheyenne, wind W., gentle; Louisville, wind S., gentle; Lynchburg, wind NW., gentle; Charleston and Savannah, wind S., fresh; Cincinnati, wind W., fresh; Indianapolis, wind SW., fresh; Indianola, wind S., fresh; Washington, wind NW., fresh; Chicago, Grand Haven, and Kingston, wind SW., brisk; Philadelphia, wind NW., brisk.

(2.) *Fair.*—At Knoxville and Mobile, calm; Montgomery, wind SE., light; Nashville, wind E., light; Duluth and Memphis, wind S., gentle; Baltimore, Yankton, and Montreal, wind W., fresh; Key West, wind NE., fresh; Milwaukee, Oswego, Pittsburgh, Stanley, and Toledo, wind SW., fresh; Jacksonville, wind N., fresh; San Francisco, La Crosse, and Saint Louis, wind S., fresh; Omaha, wind NW., fresh; Punta Rassa, wind E., fresh; Buffalo, Cleveland, and Keokuk, wind SW., brisk; Cape May and New London, wind NW., brisk; New York and Rochester, wind W., brisk; Norfolk, wind N., brisk.

(3.) *Cloudy.*—At Burlington and Saint Paul, calm; Quebec, wind SW., light; Boston and Breckenridge, wind NW., fresh; Detroit, Dover, and Toronto, wind SW., brisk.

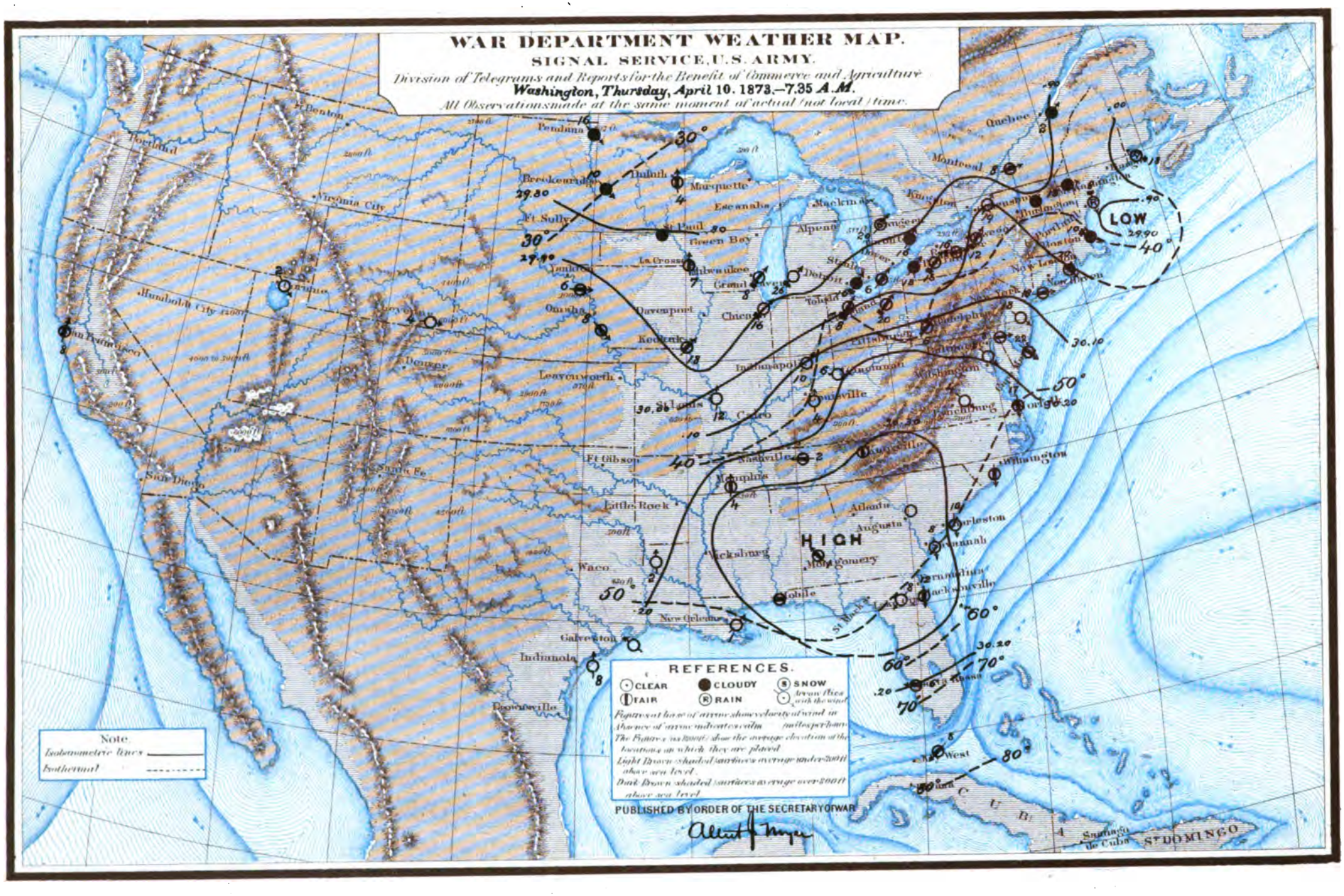
(4.) *Rainy.*—At Portland, Me., wind N., fresh; Eastport, wind SE., fresh.

GENERAL REMARKS AS TO VERIFICATIONS.

The above "Probabilities" were generally verified, except "for New England on Thursday, easterly winds, cloud, and rain," partly verified; "cautionary signals for Boston and Portland, Me.," not verified.

METEOROLOGICAL RECORD, APRIL 10, 1873—7.35 A. M.

Place of observation.	Barometer.	Thermometer.	Relative humidity, per cent.	Wind.		Clouds.			Rain-fall in last 8 hours.	State of the weather.
				Direction.	Velocity.	Amount of lower.	Amount of upper.	Direction of upper.		
*Alpena, Mich	29.69	34	71	S.	11	3-4	0	.....	.....	Cloudy.
Augusta, Ga	30.33	46	13	Calm.	0	0	0	.....	.....	Clear.
Baltimore, Md	30.18	48	43	W.	8	1-4	Hazy..	.....	.....	Fair.
Boston, Mass	29.94	41	87	N. W.	10	4-4	.....	.....	.10	Cloudy.
Breckenridge, Minn	29.78	33	85	N. W.	10	4-4	.....	.....	.....	Cloudy.
Buffalo, N. Y	29.93	40	73	S. W.	16	0	2-4	W.	.....	Fair.
Burlington, Vt	29.98	42	74	Calm.	0	0	4-4	W.	.32	Cloudy.
*Cairo, Ill	30.18	43	63	S. E.	4	1-4	2-4	.....	.....	Cloudy.
Cape May, N. J	30.15	47	55	N. W.	22	0	1-4	S. W.	.....	Fair.
Charleston, S. C	30.27	54	43	N.	10	0	0	.....	.....	Clear.
Cheyenne, Wyo	29.95	24	74	W.	4	0	0	.....	.....	Clear.
Chicago, Ill	29.98	37	71	S. W.	16	Smoky	1-4	W.	.....	Clear.
Cincinnati, Ohio	30.22	44	68	W.	6	Smoky	0	.....	.....	Clear.
Cleveland, Ohio	30.09	39	64	S. W.	20	1-4	2-4	S. W.	.....	Fair.
Corinne, Utah	30.06	27	.....	N. W.	2	0	0	.....	.....	Clear.
*Davenport, Iowa	29.97	36	80	S. W.	8	Smoky	2-4	S. W.	.....	Fair.
*Denver, Colo	30.07	30	89	S.	2	0	0	.....	.....	Clear.
Detroit, Mich	29.95	36	80	S. W.	16	3-4	1-4	S. W.	.....	Cloudy.
Duluth, Minn	29.73	32	68	S.	4	1-4	2-4	S. W.	.....	Fair.
Eastport, Me	30.09	35	80	S. E.	18	4-4	.....	.....	.....	Cloudy.
*Escanaba, Mich	29.67	32	79	W.	12	4-4	.....	.....	.....	Cloudy.
*Fort Benton, Mont	30.04	38	63	S. W.	7	0	4-4	S. W.	.....	Fair.
Fort Garry, Manitoba	29.69	28	93	N. W.	16	2-4	2-4	N. W.	.....	Cloudy.
*Fort Gibson, Ind. T	30.11	49	44	S. E.	4	0	1-4	S. W.	.....	Fair.
*Fort Sully, Dak	30.06	31	74	W.	6	1-4	0	.....	.....	Fair.
*Galveston, Tex	30.24	57	53	S. E.	.....	0	0	.....	.....	Clear.
Grand Haven, Mich	29.87	39	72	S. W.	26	0	1-4	.....	.02	Clear.
Indianapolis, Ind	30.15	40	63	S. W.	10	0	0	.....	.....	Clear.
*Indianola, Tex	30.22	59	65	S.	8	0	0	.....	.....	Clear.
Jacksonville, Fla	30.30	57	42	N.	12	0	2-4	S. W.	.....	Fair.
Keokuk, Iowa	29.85	42	66	S. W.	18	1-4	1-4	.....	.....	Fair.
Key West, Fla	30.11	79	74	N. E.	8	0	1-4	.....	.....	Fair.
Kingston, Canada	30.02	32	85	S. W.	19	1-4	0	.....	.03	Clear.
Knoxville, Tenn	30.35	38	90	Calm.	0	Fog ...	1-4	.....	.....	Fair.
La Crosse, Wis	29.87	29	89	Calm.	7	0	1-4	S. E.	.....	Fair.
Lake City, Fla	30.30	53	59	N. E.	8	0	0	.....	.....	Clear.
*Leavenworth, Kans	29.96	39	73	S.	2	4-4	.....	.....	.....	Cloudy.
Louisville, Ky	30.18	43	67	S.	4	Smoky	0	.....	.....	Clear.
Lynchburg, Va	30.25	47	58	N. W.	4	0	0	.....	.....	Clear.
*Marquette, Mich	29.67	29	67	N. W.	16	3-4	.....	.....	.....	Cloudy.
Memphis, Tenn	30.31	47	69	S.	4	Smoky	1-4	S. E.	.....	Fair.
Milwaukee, Wis	29.87	36	61	S. W.	8	Smoky	2-4	.....	.....	Fair.
Mobile, Ala	30.33	46	85	Calm.	0	Fog ...	0	.....	.....	Foggy.
Montgomery, Ala	30.33	44	91	S. E.	1	Fog...	0	.....	.....	Fair.
Montreal, Canada	29.88	25	81	W.	8	0	1-4	W.	.42	Clear.
Mount Washington, N. H	29.91	30	89	W.	18	4-4	.....	.....	.....	Cloudy.
Nashville, Tenn	30.25	41	74	E.	2	Smoky	2-4	W.	.....	Fair.
New London, Conn	30.00	45	78	N. W.	20	0	2-4	S.	.10	Fair.
New Orleans, La	30.28	53	73	S. W.	1	Fog ...	0	.....	.....	Clear.
New York, N. Y	30.06	47	63	W.	18	Smoky	2-4	S. W.	.04	Fair.
Norfolk, Va	30.23	53	55	N.	17	0	2-4	.....	.04	Fair.
Omaha, Nebr	29.99	40	73	N. W.	8	1-4	2-4	N. W.	.....	Fair.
Oswego, N. Y	30.02	43	63	S. W.	12	0	3-4	W.	.11	Clearing.
Pembina, Dak	29.77	26	93	N. W.	16	4-4	.....	.....	.....	Threatening.
Philadelphia, Pa	30.16	46	43	N. W.	18	Smoky	1-4	.....	.24	Clear.
Pittsburgh, Pa	30.18	41	74	S. W.	6	Smoky	0	.....	.....	Fair.
Port Dover, Canada	29.99	35	80	S. W.	18	0	4-4	S. W.	.....	Cloudy.
Port Stanley, Canada	30.00	35	82	S. W.	6	0	2-4	S. W.	.....	Fair.
Portland, Me	29.89	36	100	N.	8	4-4	.....	.....	.23	Light rain.
*Portland, Oreg	30.17	42	83	N. E.	3	Hazy..	Hazy..	.....	.....	Fair.
Punta Rassa, Fla	30.18	72	85	E.	6	Smoky	2-4	.....	.....	Fair.
Quebec, Canada	29.92	35	100	S. W.	2	4-4	.....	.....	.01	Cloudy.
Rochester, N. Y	29.99	39	53	W.	16	0	3-4	W.	.02	Clearing.
*San Diego, Cal	30.01	49	93	Calm.	0	Fog ...	.....	.....	.....	Foggy.
San Francisco, Cal	29.98	48	85	S.	8	Fog ...	.....	.....	.....	Foggy.
*Santa Fé, N. Mex	29.76	36	46	N.	7	1-4	2-4	S. W.	.....	Cloudy.
Saugeen, Canada	29.80	35	63	S. W.	20	4-4	.....	.....	.04	Light snow.
Savannah, Ga	30.30	53	53	N.	8	0	0	.....	.....	Clear.
Shreveport, La	30.20	48	78	S.	2	0	0	.....	.....	Clear.
Saint Louis, Mo	30.08	39	34	S.	12	Smoky	2-4	.....	.....	Fair.
Saint Paul, Minn	29.81	31	78	Calm.	0	4-4	.....	.....	.....	Cloudy.
Toledo, Ohio	30.02	42	58	S. W.	8	1-4	0	.....	.....	Fair.
Toronto, Canada	29.92	38	74	S. W.	16	1-4	4-4	W.	.....	Cloudy.
*Vicksburg, Miss	30.30	47	76	S.	6	0	0	.....	.....	Clear.
Virginia City, Mont	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Washington, D. C	30.20	47	41	N. W.	8	0	0	.....	....	Clear.
Wilmington, N. C	29.25	55	55	N.	Fresh	Smoky	1-4	N.	.....	Fair.
Yankton, D. T	29.97	34	92	W.	6	1-4	0	.....	.....	Fair.


WAR DEPARTMENT WEATHER MAP.
SIGNAL SERVICE, U.S. ARMY.
Division of Telegrams and Reports for the Benefit of Commerce and Agriculture
Washington, Thursday, April 10. 1873.—7.35 A.M.
All Observations made at the same moment of actual (not local) time.
LOW
HIGH
REFERENCES.
CLEAR
CLOUDY
SNOW
FAIR
RAIN
Note.
Isobarometric lines
Isothermal
PUBLISHED BY ORDER OF THE SECRETARY OF WAR

WASHINGTON, D. C.,
THURSDAY, *April* 10, 1873—7.35 *a. m.*

SYNOPSIS.

The storm-centre, that was Wednesday morning in Upper Michigan, has moved northeastward over Canada beyond our stations. That which was apparently in West Virginia has moved eastward and northeast to Massachusetts Bay, accompanied by a pretty extensive local storm in the Middle Atlantic States. The area of warm southwest winds which has existed for a week in the South Atlantic States is now followed by cool northerly winds and clear weather. North and west winds increasing to brisk, with cool, clear or clearing weather, are now reported over New York and the Lower Lakes and thence to North Carolina and Kentucky. Fresh to brisk westerly winds, backing to south, prevail over the Upper Lakes and Illinois.

PROBABILITIES.

The barometer continue rising during the rest of Thursday in the Eastern Gulf, South Atlantic, and Middle States, with generally clear, cool weather and northwest winds in the Atlantic States. Southerly winds and possibly falling barometer and rising temperature will prevail in the Gulf States west of Alabama. An area of low barometer advance toward the extreme Northwest, and southerly winds, with cloudy weather and rising temperature, prevail over the Upper Lakes and Northwest by Friday morning. Westerly winds continue, with partly cloudy and clearing weather, in New York and New England.

Cautionary signals continue at Boston, Portland, Me., Eastport, Oswego, Rochester, Buffalo, Cleveland, Toledo, Detroit, Grand Haven, Chicago, and Milwaukee.

FACTS—4.35 P. M., (*following the above "Probabilities."*)

WIND AND WEATHER.

(1.) *Clear.*—At Augusta, calm; Portland, Oreg., wind SE., light; Stanley, wind SW., light; Cape May, wind SW., gentle; Knoxville and Vicksburg, wind S., gentle; Virginia City, wind NW., gentle; Buffalo, Cairo, Memphis, and Saugeen, wind SW., fresh; Charleston, wind SE., fresh; Cheyenne, wind NW., fresh; Corinne, Galveston, and Nashville, wind S., fresh; New York, wind NW., fresh; Norfolk, wind E., fresh; New Orleans, wind SE., fresh; Portland, Me., and Philadelphia, wind W., fresh; Alpena, wind E., brisk; Boston and Santa Fé, wind NW., brisk; Cleveland and Dover, wind SW., brisk; Oswego and Rochester, wind W., brisk; Shreveport, wind S., brisk.

(2.) *Fair.*—At Montgomery, calm; Quebec, wind SW., light; Marquette, wind W., gentle; Omaha, wind NE., gentle; Washington, wind NW., gentle; Baltimore, wind W., fresh; Cincinnati, Indianapolis, Louisville, and Mobile, wind S., fresh; Denver, wind NW., fresh; Detroit, Escanaba, Fort Benton, Lynchburg, Pittsburgh, and Toronto, wind SW., fresh; Montreal, wind W., fresh; New London, wind NW., fresh; Kingston, San Francisco, and Toledo, wind SW., brisk.

(3.) *Cloudy.*—At Duluth, calm; Burlington, wind S., light; Fort Gibson, wind S., gentle; Chicago and Grand Haven, wind SW., fresh; Indianola, wind SE., fresh; La Crosse and Milwaukee, wind W., fresh; Saint Paul, wind NW., fresh.

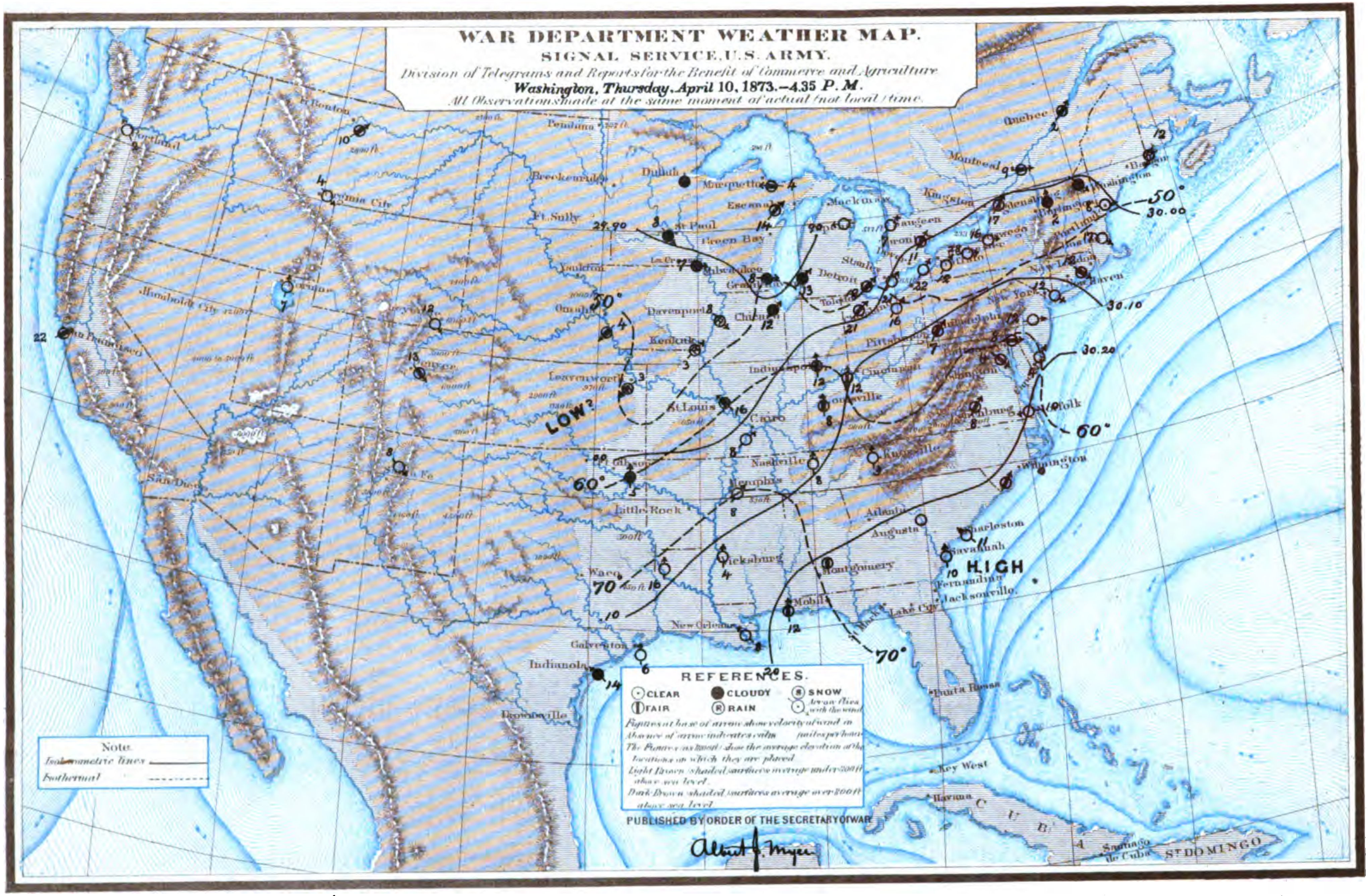
(4.) *Rainy.*—At Keokuk, wind SW., gentle; Leavenworth, wind NE., gentle; Davenport, wind NW., fresh; Eastport, wind NE., fresh.

GENERAL REMARKS AS TO VERIFICATIONS.

The above "Probabilities" were generally verified, except "northwest winds in the Atlantic States," partly verified; "an area of low barometer advance toward the extreme Northwest, and southerly winds, with rising temperature, prevail over the Northwest by Friday morning," not verified.

METEOROLOGICAL RECORD, APRIL 10, 1873—4.35 P. M.

Place of observation.	Barometer.	Thermometer.	Relative humidity, per cent.	Wind.		Clouds.			Rain-fall in last 8 hours.	State of the weather.
				Direction.	Velocity.	Amount of lower.	Amount of upper.	Direction of upper.		
Alpena, Mich	29.90	42	66	E.	19	0	0	.....	.....	Clear.
Augusta, Ga	30.25	66	28	Calm.	0	0	0	.....	.....	Clear.
Baltimore, Md	30.18	63	30	W.	8	Hazy..	2-4	N. W.	.....	Fair.
Boston, Mass	30.08	55	28	N. W.	17	Hazy..	Hazy..	.....	.....	Clear.
*Breckenridge, Minn	29.95	36	86	N. W.	18	4-4	.....	.....	.03	Light snow.
Buffalo, N. Y	30.02	44	68	S. W.	12	Smoky	0	.....	.....	Clear.
Burlington, Vt	30.05	43	58	S.	2	0	4-4	W.	.....	Cloudy.
Cairo, Ill	30.02	67	25	S. W.	8	Hazy..	1-4	.....	.....	Clear.
Cape May, N. J	30.20	55	56	S. W.	4	0	0	.....	.....	Clear.
Charleston, S. C	30.23	63	52	S. E.	11	0	0	.....	.....	Clear.
Cheyenne, Wyo	30.02	42	27	N. W.	12	0	0	.....	.....	Clear.
Chicago, Ill	29.96	56	51	S. W.	12	0	4-4	W.	.....	Cloudy.
Cincinnati, Ohio	30.15	48	31	S.	12	Smoky	2-4	S.	.....	Fair.
Cleveland, Ohio	30.09	57	35	S. W.	16	Hazy..	Hazy..	.....	.....	Clear.
Corinne, Utah	30.23	55	19	S.	7	0	0	.....	.....	Clear.
Davenport, Iowa	29.99	46	84	N. W.	8	4-4	.....	.....	.02	Light rain.
Denver, Colo	30.08	51	10	N. W.	13	0	1-4	N. W.	.....	Fair.
Detroit, Mich	29.97	53	36	S. W.	12	0	1-4	S. W.	.....	Fair.
Duluth, Minn	29.83	43	58	Calm.	0	2-4	2-4	.....	.....	Cloudy.
Eastport, Me	29.95	35	100	N. E.	12	4-4	.....	.....	1.16	Light rain.
Escanaba, Mich	29.83	42	66	S. W.	12	1-4	1-4	W.	.....	Fair.
Fort Benton, Mont	30.01	58	27	S. W.	10	0	1-4	S. W.	.....	Fair.
Fort Garry, Manitoba	29.87	35	67	N.	13	3-4	1-4	N.	.....	Fair.
Fort Gibson, Ind. T	30.03	63	78	S.	5	4-4	.....	.....	.....	Cloudy.
*Fort Sully, Dak	30.05	46	26	N. W.	17	2-4	2-4	N. W.	.07	Cloudy.
Galveston, Tex	30.18	68	45	S.	6	0	0	.....	.....	Clear.
Grand Haven, Mich	29.98	44	67	S. W.	13	4-4	.....	.....	.....	Cloudy.
Indianapolis, Ind	30.05	62	30	S.	12	Hazy..	2-4	W.	.....	Fair.
Indianola, Tex	30.17	69	61	S. E.	14	2-4	2-4	S. E.	.....	Cloudy.
*Jacksonville, Fla	30.26	64	43	N. E.	8	4-4	.....	.....	.....	Cloudy.
Keokuk, Iowa	30.00	50	72	S. W.	3	4-4	.....	.....	.....	Light rain.
*Key West, Fla	30.10	83	55	E.	8	0	1-4	.....	.....	Fair.
Kingston, Canada	30.09	38	83	S. W.	17	0	3-4	W.	.....	Fair.
Knoxville, Tenn	30.18	62	30	S.	3	0	1-4	.....	.....	Clear.
La Crosse, Wis	29.92	45	54	W.	7	2-4	2-4	S. W.	.....	Cloudy.
*Lake City, Fla	30.21	69	60	E.	4	2-4	0	.....	.....	Fair.
Leavenworth, Kans	29.92	44	84	N. E.	3	4-4	.....	.....	.10	Light rain.
Louisville, Ky	30.08	62	32	S.	8	1-4	2-4	W.	.....	Fair.
Lynchburg, Va	30.16	65	39	S. W.	8	0	1-4	S. W.	.....	Fair.
Marquette, Mich	29.88	41	65	E.	4	0	2-4	W.	.....	Fair.
Memphis, Tenn	30.06	70	24	S. W.	8	Smoky	0	.....	.....	Clear.
Milwaukee, Wis	29.86	53	48	W.	8	4-4	.....	.....	.....	Cloudy.
Mobile, Ala	30.23	70	40	S.	12	0	1-4	S.	.....	Fair.
Montgomery, Ala	30.21	69	27	Calm.	0	0	1-4	.....	.....	Fair.
Montreal, Canada	29.95	47	78	W.	9	0	1-4	W.	.....	Fair.
Mount Washington, N. H	29.87	26	88	N. W.	64	4-4	.....	.....	.....	Cloudy.
Nashville, Tenn	30.10	67	25	S.	8	0	0	.....	.....	Clear.
New London, Conn	30.08	57	40	N. W.	12	0	1-4	W.	.....	Fair.
New Orleans, La	30.19	67	41	S. E.	8	0	0	.....	.....	Clear.
New York, N. Y	30.14	58	42	N. W.	12	0	1-4	N. W.	.....	Clear.
Norfolk, Va	30.24	60	38	E.	10	0	Hazy..	.....	.....	Clear.
Omaha, Nebr	29.95	54	32	N. E.	4	0	3-4	N. W.	.....	Fair.
Oswego, N. Y	30.09	48	48	W.	16	1-4	Hazy..	.....	.....	Clear.
*Pembina, Dak	29.92	31	84	N. W.	24	4-4	.....	.....	.....	Cloudy.
Philadelphia, Pa	30.17	57	30	W.	12	0	1-4	W.	.....	Clear.
Pittsburgh, Pa	30.13	58	32	S. W.	7	0	1-4	S. W.	.....	Fair.
Port Dover, Canada	30.04	49	44	S. W.	22	0	0	.....	.....	Clear.
Port Stanley, Canada	30.07	43	72	S. W.	2	0	1-4	S. W.	.....	Clear.
Portland, Me	30.00	51	39	W.	8	0	0	.....	.....	Clear.
Portland, Oreg	30.00	65	44	S. E.	2	Smoky	0	.....	.....	Clear.
*Punta Rassa, Fla	30.13	83	67	S.	10	1-4	2-4	.....	.....	Threatening.
Quebec, Canada	29.96	42	74	S. W.	2	1-4	2-4	S. W.	.03	Clear.
Rochester, N. Y	30.07	40	43	W.	28	0	2-4	.....	.....	Fair.
*San Diego, Cal	30.03	60	66	W.	13	0	0	.....	.....	Clear.
San Francisco, Cal	30.04	56	69	S. W.	22	1-4	0	.....	.....	Fair.
Santa Fé, N. Mex	29.87	47	0	N. W.	8	0	0	.....	.....	Clear.
Sangeen, Canada	29.95	46	54	S. W.	7	1-4	0	.....	.....	Clear.
Savannah, Ga	30.25	64	36	S.	10	0	0	.....	.....	Clear.
Shreveport, La	30.06	83	24	S.	16	0	1-4	W.	.....	Clear.
Saint Louis, Mo	29.94	65	19	S. E.	16	1-4	2-4	S.	.....	Fair.
Saint Paul, Minn	30.02	43	67	N. W.	8	4-4	.....	.....	.....	Cloudy.
Toledo, Ohio	30.00	57	34	S. W.	21	1-4	1-4	N. W.	.....	Fair.
Toronto, Canada	30.02	46	66	S. W.	11	0	2-4	S. W.	.....	Fair.
Vicksburg, Miss	30.16	71	32	S.	4	0	0	.....	.....	Clear.
Virginia City, Mont	29.84	43	39	N. W.	4	0	0	.....	.....	Clear.
Washington, D. C	30.17	66	26	N. W.	4	0	2-4	S. W.	.....	Fair.
Wilmington, N. C	30.22	69	38	S. W.	Fresh	Smoky	0	.....	.....	Fair.
*Yankton, Dak	29.94	48	71	N. W.	16	4-4	.....	.....	.....	Threatening.


WAR DEPARTMENT WEATHER MAP.
SIGNAL SERVICE, U.S. ARMY.
Division of Telegrams and Reports for the Benefit of Commerce and Agriculture
Washington, Thursday, April 10, 1873.—4.35 P. M.
All Observations made at the same moment of actual (not local) time.
REFERENCES.
CLEAR
CLOUDY
SNOW
FAIR
RAIN
Arrow flies with the wind
Figures at base of arrow show velocity of wind in miles per hour.
Absence of arrow indicates calm.
The Figures (as 1000ft) show the average elevation of the locations on which they are placed.
Light Brown shaded surfaces average under 2000ft above sea level.
Dark Brown shaded surfaces average over 2000ft above sea level.
PUBLISHED BY ORDER OF THE SECRETARY OF WAR
Albert J. Myer
Note.
Isobarometric lines
Isothermal
LOW?
HIGH
29.90
30.00
30.10
30.20
50°
60°
70°
Quebec
Montreal
Kingston
Duluth
Marquette
Escanaba
Mackinaw
St. Paul
Green Bay
Breckenridge
Ft. Sully
Pembina
Yankton
Omaha
Davenport
Chicago
Detroit
Toledo
Keokuk
Leavenworth
St. Louis
Cairo
Indianapolis
Cincinnati
Louisville
Pittsburgh
Nashville
Knoxville
Memphis
Little Rock
Vicksburg
Atlanta
Augusta
Charleston
Savannah
Wilmington
Norfolk
Lynchburg
New York
New Haven
Montgomery
Mobile
New Orleans
Galveston
Indianola
Brownsville
Waco
Fernandina
Jacksonville
Lake City
Punta Rassa
Key West
Havana
C U B A
Santiago de Cuba
ST DOMINGO
San Francisco
Humboldt City
Portland
San Diego
Santa Fe
Denver
Cheyenne
Corinne
Virginia City
Ft. Benton
Ft. Gibson

WASHINGTON, D. C.,
THURSDAY, *April* 10, 1873—4.35 *p. m.*

SYNOPSIS.

The low barometer, that was Wednesday afternoon in Northern Virginia, is now apparently present as a small local storm near the Bay of Fundy. The barometer has risen over the entire country east of the Rocky Mountains, and has fallen decidedly only in Oregon and Texas. The highest pressure is on the South Atlantic coast. The temperature has fallen in the latter region, and especially in Virginia; it has very generally risen at all other stations. Clear weather, with fresh southeasterly winds, is reported from the Southern States, and with fresh northwest winds from the Middle States. Southwest winds and clear weather prevail over the Lower Lakes. Southwest and northwest winds, with partly cloudy weather and occasional light rain, are reported from the Upper Lakes and Upper Mississippi Valley. The rivers have risen at Memphis, Cincinnati, and Davenport; they have fallen at Nashville, Cairo, Pittsburgh, Saint Louis, and Saint Paul.

PROBABILITIES.

The barometer continue highest on Friday over the Southern and Middle Atlantic States, with generally clear weather and rising temperature. The pressure fall decidedly, with possibly a storm-centre, in the Southwest. For New England and the Middle States, rising barometer, cool westerly winds, and clear weather. For the Lake region, westerly winds, backing to southwest, with partly cloudy weather.

Afternoon telegraphic reports are missing from the extreme Northwest, Florida, and the Texas coast.

FACTS—11 P. M., (*following the above "Probabilities."*)

WIND AND WEATHER.

(1.) *Clear.*—At Augusta, Leavenworth, Lynchburg, Montgomery, and Savannah, calm; Charleston and Denver, wind SE., light; Corinne, wind NW., light; Mobile, wind SW., light; Burlington, Norfolk, Nashville, and Oswego, wind S., gentle; La Crosse, wind SE., gentle; New London, wind N., gentle; New Orleans, wind SE., gentle; Pembina, wind NW., gentle; Rochester, wind SW., gentle; Cheyenne, wind NW., fresh; Cleveland and Shreveport, wind S., fresh; Kingston and Portland, Me., wind SW., fresh; Memphis, wind SE., fresh; San Francisco, wind W., brisk.

(2.) *Fair.*—At Buffalo, Baltimore, Boston, Pittsburgh, Stanley, and Virginia City, calm; Davenport and New York, wind SW., light; Dover and Philadelphia, wind SW., gentle; Omaha, wind NW., gentle; Saint Paul, wind W., gentle; Indianapolis, wind SE., fresh; Montreal, wind W., fresh.

(3.) *Cloudy.*—At Marquette and Toronto, calm; Cincinnati, wind SE., light; Duluth, wind NW., light; Saugeen, wind NE., light; Louisville, wind SE., gentle; San Diego, wind N., gentle; Quebec, wind SW., gentle; Cairo, wind SE., fresh; Chicago, wind W., fresh; Detroit and Milwaukee, wind SW., fresh; Escanaba, wind N., fresh; Breckenridge, wind NW., brisk.

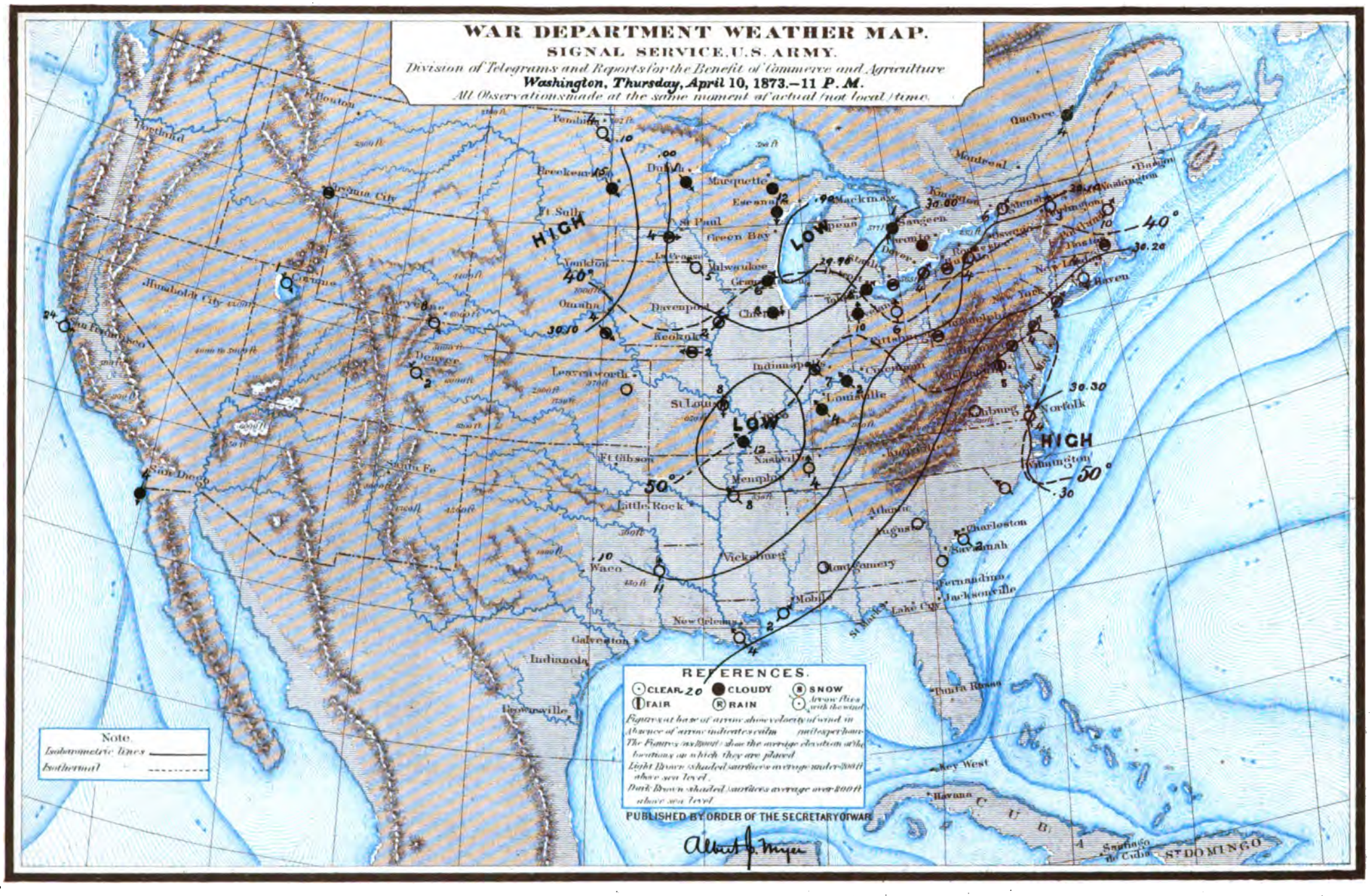
(4.) *Rainy.*—At Saint Louis, wind N., fresh.

GENERAL REMARKS AS TO VERIFICATIONS.

The above "Probabilities" were generally verified, except "for New England and the Middle States, rising barometer, westerly winds, and clear weather," and "for the Lake region, westerly winds, backing to southwest, with partly cloudy weather," partly verified; "the barometer continue highest on Friday over the Middle Atlantic States," and "the pressure fall decidedly, with possibly a storm-centre, in the Southwest," not verified.

METEOROLOGICAL RECORD, APRIL 10, 1873—11 P. M.

Place of observation.	Barometer.	Thermometer.	Relative humidity, per cent.	Wind.		Clouds.			Rain-fall in last 8 hours.	State of the weather.
				Direction.	Velocity.	Amount of lower.	Amount of upper.	Direction of upper.		
*Alpena, Mich	30.03	33	80	N.	2	4-4	.....	.....	.....	Cloudy.
Augusta, Ga	30.26	51	86	Calm.	0	0	0	.....	.....	Clear.
Baltimore, Md	30.23	54	49	Calm.	0	Hazy..	2-4	W.	.....	Fair.
Boston, Mass	30.23	46	54	Calm.	0	Hazy..	1-4	.....	.....	Fair.
Breckenridge, Minn	30.10	30	84	N. W.	15	4-4	.....	.....	.....	Cloudy.
Buffalo, N. Y	30.05	42	78	Calm.	0	0	2-4	S. W.	.....	Fair.
Burlington, Vt	30.15	40	56	S.	3	0	0	.....	.....	Clear..
Cairo, Ill	29.99	60	49	S. E.	12	1-4	2-4	W.	.....	Cloudy.
*Cape May, N. J	30.26	46	77	S.	8	0	0	.....	.....	Clear.
Charleston, S. C	30.24	59	70	S. E.	2	0	0	.....	.....	Clear.
Cheyenne, Wyo	30.06	33	61	N. W.	8	0	0	.....	.....	Clear.
Chicago, Ill	30.04	44	76	W.	8	0	4-4	W.	.02	Cloudy.
Cincinnati, Ohio	30.10	55	50	S. E.	2	4-4	.....	.....	.....	Cloudy.
Cleveland, Ohio	30.11	49	51	S.	6	0	0	.....	.....	Clear.
Corinne, Utah	30.18	41	39	N. W.	1	0	0	.....	.....	Clear.
Davenport, Iowa	30.05	41	91	S. W.	2	2-4	Hazy..	.....	.06	Clearing.
Denver, Colo	30.15	33	46	S. E.	2	0	0	.....	.....	Clear.
Detroit, Mich	30.01	48	56	S. W.	8	4-4	.....	.....	.....	Cloudy.
Duluth, Minn	29.92	40	56	N. W.	1	4-4	.....	.....	.....	Cloudy.
*Eastport, Me	30.15	34	100	N. W.	6	1-4	2-4	N. W.	.03	Fair.
Escanaba, Mich	29.91	37	81	N.	12	4-4	.....	.....	.....	Cloudy.
*Fort Benton, Mont	29.99	48	43	W.	4	0	4-4	W.	.....	Fair.
Fort Garry, Manitoba	30.03	24	96	N.	3	0	0	.....	.....	Fair.
*Fort Gibson, Ind. T	30.24	52	73	W.	8	0	1-4	S. W.	.....	Clear.
*Fort Sully, Dak	30.20	35	63	W.	5	0	0	.....	.....	Fair.
*Galveston, Tex	30.21	64	73	Calm.	0	0	1-4	S. W.	.....	Clear.
*Grand Haven, Mich	29.99	40	82	W.	6	4-4	.....	.....	.17	Cloudy.
Indianapolis, Ind	30.01	53	48	S. E.	7	Hazy..	Hazy..	.....	.....	Fair.
*Indianola, Tex	30.21	63	80	S. E.	7	0	1-4	W.	.....	Fair.
*Jacksonville, Fla	30.26	60	76	Calm.	0	4-4	.....	.....	.08	Cloudy.
Keokuk, Iowa	30.02	43	83	E.	2	Hazy..	.....	.....	.....	Clearing.
*Key West, Fla	30.14	78	72	E.	9	0	1-4	.....	.....	Fair.
Kingston, Canada	30.17	34	87	S. W.	6	0	0	.....	.....	Clear.
*Knoxville, Tenn	30.17	49	77	Calm.	0	0	0	.....	.....	Clear.
La Crosse, Wis	29.98	39	73	S. E.	5	0	0	.....	.....	Clear.
*Lake City, Fla	30.23	60	76	S. E.	6	2-4	0	.....	.....	Fair.
Leavenworth, Kans	30.07	40	91	E.	0	0	0	.....	.01	Clear.
Louisville, Ky	30.08	53	54	S. E.	4	4-4	.....	.....	.....	Cloudy.
Lynchburg, Va	30.22	51	59	Calm.	0	0	0	.....	.....	Clear.
Marquette, Mich	30.00	34	79	Calm.	0	4-4	.....	.....	.....	Cloudy.
Memphis, Tenn	30.08	61	40	S. E.	8	0	0	.....	.....	Clear.
Milwaukee, Wis	29.91	44	84	S. W.	6	4-4	.....	.....	.....	Cloudy.
Mobile, Ala	30.24	56	68	S. W.	2	0	0	.....	.....	Clear.
Montgomery, Ala	30.20	56	74	Calm.	0	0	0	.....	.....	Clear.
Montreal, Canada	30.06	38	71	W.	8	0	1-4	W.	.....	Fair.
*Mount Washington, N. H	29.89	23	86	N.	65	4-4	.....	.....	.....	Cloudy.
Nashville, Tenn	30.09	57	47	S.	4	0	0	.....	.....	Clear.
New London, Conn	30.24	42	69	N.	4	0	0	.....	.....	Clear.
New Orleans, La	30.22	58	70	S. E.	4	0	0	.....	.....	Clear.
New York, N. Y	30.22	49	50	S. W.	2	1-4	0	.....	.....	Fair.
Norfolk, Va	30.30	50	65	S.	4	0	0	.....	.....	Clear.
Omaha, Nebr	30.08	45	76	N. W.	4	1-4	1-4	.....	.....	Fair.
Oswego, N. Y	30.14	42	67	S.	4	0	0	.....	.....	Clear.
Pembina, Dak	30.10	24	70	N. W.	4	0	0	.....	.....	Clear.
Philadelphia, Pa	30.24	50	51	S. W.	4	0	2-4	.....	.....	Fair.
Pittsburgh, Pa	30.18	46	69	Calm.	0	Fog ...	0	.....	.....	Fair.
Port Dover, Canada	30.09	38	81	S. W.	4	0	2-4	S. W.	.....	Fair.
Port Stanley, Canada	30.10	34	94	Calm.	0	0	2-4	.....	.....	Fair.
Portland, Me	30.15	40	55	S. W.	10	0	0	.....	.....	Clear.
*Portland, Oreg	30.00	57	57	N. W.	6	Smoky	Hazy..	.....	.....	Fair.
*Punta Rassa, Fla	30.19	69	90	N. E.	6	0	0	.....	1.29	Clear.
Quebec, Canada	30.06	36	100	S. W.	4	4-4	.....	.....	.....	Cloudy.
Rochester, N. Y	30.12	46	53	S. W.	5	0	0	.....	.....	Clear.
San Diego, Cal	30.11	54	73	N.	4	4-4	.....	.....	.....	Cloudy.
San Francisco, Cal	30.07	50	86	W.	24	0	0	.....	.....	Clear.
*Santa Fé, N. Mex	29.74	41	6	S. E.	10	0	0	.....	.....	Clear.
Saugeen, Canada	30.04	33	80	N. E.	1	1-4	3-4	W.	.....	Cloudy.
Savannah, Ga	30.25	56	73	Calm.	0	0	0	.....	.....	Clear.
Shreveport, La	30.12	61	45	S.	11	0	0	.....	.....	Clear.
Saint Louis, Mo	30.00	48	85	N.	8	4-4	.....	.....	.01	Light rain.
Saint Paul, Minn	29.98	39	63	W.	4	0	2-4	N. W.	.....	Fair.
Toledo, Ohio	30.04	51	52	S.	10	0	4-4	S. W.	.....	Cloudy.
Toronto, Canada	30.09	36	89	Calm.	0	Hazy..	4-4	W.	.....	Cloudy.
*Vicksburg, Miss	30.20	60	48	S.	8	0	0	.....	.....	Clear.
Virginia City, Mont	29.77	35	67	Calm.	0	2-4	0	.....	.....	Fair.
Washington, D. C	30.23	57	52	S.	8	1-4	1-4	W.	.....	Fair.
Wilmington, N. C	30.26	54	80	S. E.	Light	Smoky	0	.....	.....	Clear.
*Yankton, Dak	30.13	34	89	N. W.	8	0	0	.....	.....	Clear.


WAR DEPARTMENT WEATHER MAP.
SIGNAL SERVICE, U.S. ARMY.
Division of Telegrams and Reports for the Benefit of Commerce and Agriculture
Washington, Thursday, April 10, 1873.—11 P. M.
All Observations made at the same moment of actual (not local) time.
HIGH
LOW
LOW
HIGH
40°
50°
50°
40°
30.10
30.00
30.20
30.30
Portland
Humboldt City
San Francisco
San Diego
Virginia City
Cheyenne
Denver
Santa Fe
Fort Stanton
Fort Bridger
Fort Sully
Brookings
Pembina
Duluth
Marquette
Escanaba
Mackinaw
Green Bay
St Paul
La Crosse
Milwaukee
Chicago
Davenport
Keokuk
Omaha
Leavenworth
St Louis
Fort Gibson
Little Rock
Memphis
Nashville
Louisville
Indianapolis
Cincinnati
Pittsburg
Cleveland
Toledo
Detroit
Sandusky
Buffalo
Oswego
Rochester
Toronto
Kingston
Montreal
Quebec
Portland
Boston
New York
Philadelphia
Baltimore
Washington
Norfolk
Wilmington
Raleigh
Charleston
Savannah
Augusta
Atlanta
Vicksburg
Montgomery
Mobile
New Orleans
Galveston
Indianola
Brownsville
Waco
Fernandina
Jacksonville
Lake City
St Marks
Punta Rassa
Key West
Havana
Santiago de Cuba
ST DOMINGO
CUBA
REFERENCES.
CLEAR
CLOUDY
SNOW
FAIR
RAIN
Arrow flies with the wind
Figures at base of arrow show velocity of wind in miles per hour
Absence of arrow indicates calm
The Figures (in parenthesis) show the average elevation of the locations on which they are placed
Light Brown shaded surfaces average under 500 ft above sea level
Dark Brown shaded surfaces average over 1000 ft above sea level
Note.
Barometric lines
Isothermal
PUBLISHED BY ORDER OF THE SECRETARY OF WAR.
Albert J. Myer

WASHINGTON, D. C.,
THURSDAY, *April* 10, 1873—11 *p. m.*

SYNOPSIS.

The barometer has risen since Wednesday night at nearly all stations east of the Rocky Mountains; it has fallen in the Southwest, and the centre of lowest barometer being apparently in Southern Illinois. Rain and cloud are reported from the Ohio Valley and Illinois. Light southerly winds and clear weather are very generally reported from the Southern States. The barometer is highest on the South Atlantic coast. Fresh southwesterly winds and partly cloudy weather prevail over New England, New York, and the Lower Lakes. Northwesterly winds, with rising barometer, in the Northwest. The temperature has very generally risen over the Upper Lakes and southward over the Gulf States; it has fallen on the South Atlantic coast.

PROBABILITIES.

The small local storm continue to advance on Friday northeastward from Southern Illinois to Ohio. For the Southwest, increasing southerly winds and rising temperature. For the Eastern Gulf and South Atlantic States, increasing southeasterly winds and partly cloudy weather. For the Middle and Eastern States, southwesterly winds and generally clear weather. For the Lower Lakes, partly cloudy and clearing weather. For the Upper Lakes, rising barometer, northerly winds, and clear weather. An area of low barometer extend during the day eastward over Dakota, and winds back to south over the Northwest and Nebraska.

FACTS—7.35 A. M., (*following the above "Probabilities."*)

WIND AND WEATHER.

(1.) *Clear.*—At Portland, Me., and Quebec, calm; Boston, wind SW., light; Cheyenne and New York, wind SW., gentle; Montreal, wind W., gentle; Washington, wind S., gentle; Cape May, wind S., fresh; Mobile, wind NW., fresh.

(2.) *Fair.*—At Augusta, Fort Gibson, Key West, and New London, calm; Burlington and Eastport, wind S., light; Philadelphia and New Orleans, wind SW., light; Montgomery, wind S., light; Punta Rassa, wind E., light; Baltimore, wind S., gentle; Kingston, wind E., gentle; Davenport, Milwaukee, and Shreveport, wind W., gentle; Savannah, wind NE., gentle; Chicago, Keokuk, and Memphis, wind W., fresh; Norfolk and Oswego, wind SE., fresh; Omaha, wind NW., fresh; Saint Paul, wind N., fresh; Saint Louis, wind NW., brisk.

(3.) *Cloudy.*—At Grand Haven, Knoxville, Lynchburg, and Toronto, calm; Alpena, wind N., light; Buffalo, wind SE., light; Pittsburgh, wind E., light; Dover, wind N., gentle; Detroit and Stanley, wind SE., gentle; Jacksonville and La Crosse, wind NW., gentle; Lake City, wind NE., gentle; Saugeen, wind E., gentle; Cincinnati and Cleveland, wind SE., fresh; Charleston, wind N., fresh; Rochester, wind SW., fresh; Nashville, wind W., brisk.

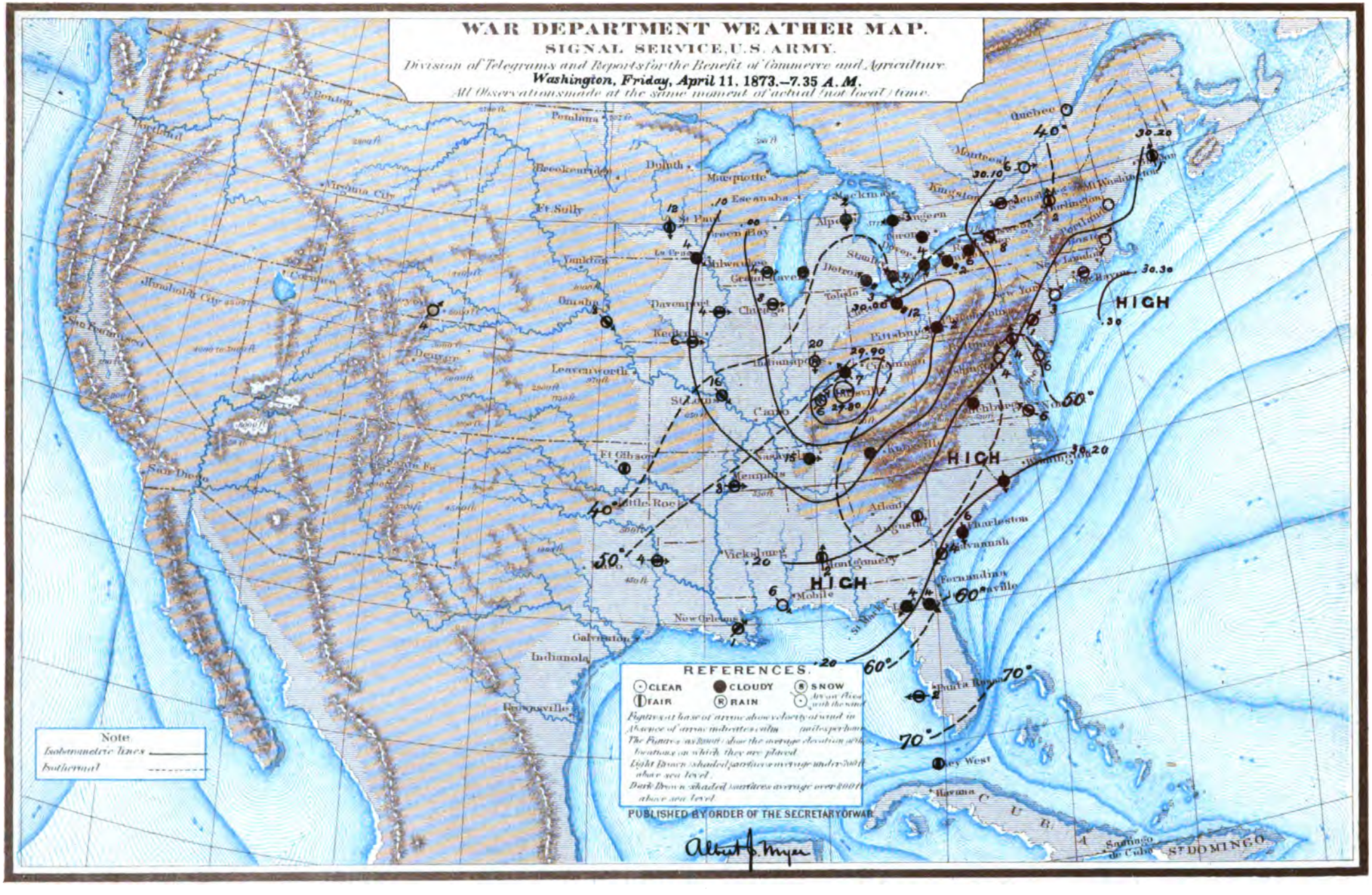
(4.) *Rainy.*—At Louisville, wind SW., fresh; Indianapolis, wind N., brisk.

GENERAL REMARKS AS TO VERIFICATIONS.

The above "Probabilities" were generally verified, except "for the Eastern Gulf States, southeasterly winds," and "for the Upper Lakes, clear weather," partly verified; "for the Southwest, increasing southerly winds," "for the Middle and Eastern States, southwesterly winds and generally clear weather," and "for the Lower Lakes, partly cloudy and clearing weather," not verified.

METEOROLOGICAL RECORD, APRIL 11, 1873—7.35 A. M.

Place of observation.	Barometer.	Thermometer.	Relative humidity, per cent.	Wind.		Clouds.			Rain-fall in last 8 hours.	State of the weather.
				Direction.	Velocity.	Amount of lower.	Amount of upper.	Direction of upper.		
Alpena, Mich	29.97	35	80	N.	2	4-4	.....	.....	.....	Cloudy.
Augusta, Ga	30.21	48	70	Calm.	0	Smoky	0	.....	.....	Fair.
Baltimore, Md	30.22	51	65	S.	4	Hazy..	2-4	.....	.....	Fair.
Boston, Mass	30.27	52	47	W.	1	Smoky	Hazy..	.....	.....	Clear.
*Breckenridge, Minn	30.23	26	75	N.	12	0	0	.....	.....	Clear.
Buffalo, N. Y	30.02	45	68	S. E.	2	4-4	.....	.....	.....	Cloudy.
Burlington, Vt	30.19	40	56	S.	2	0	2-4	W.	.....	Fair.
*Cairo, Ill	30.07	49	93	N. W.	6	1-4	3-4	N. W.	.07	Cloudy.
Cape May, N. J	30.24	46	84	S.	6	0	0	.....	.....	Clear.
Charleston, S. C	30.15	56	81	N.	6	4-4	.....	.....	.....	Cloudy.
Cheyenne, Wyo	30.08	33	70	S. W.	4	0	0	.....	.....	Clear.
Chicago, Ill	29.97	42	74	W.	8	Smoky	0	.....	.96	Fair.
Cincinnati, Ohio	29.89	55	50	S. E.	7	4-4	.....	.....	.....	Threatening.
Cleveland, Ohio	29.94	47	62	S. E.	12	4-4	.....	.....	.....	Cloudy.
*Corinne, Utah	30.16	30	68	N.	2	0	Hazy..	.....	.....	Clear.
Davenport, Iowa	30.04	37	90	W.	4	Smoky	2-4	N. W.	.....	Clearing.
*Denver, Colo	30.16	32	69	S.	2	0	0	.....	.....	Clear.
Detroit, Mich	29.84	50	51	S. E.	3	4-4	.....	.....	.....	Cloudy.
*Duluth, Minn	30.10	34	80	Calm.	0	1-4	3-4	.....	.....	Cloudy.
Eastport, Me	30.22	36	100	S.	1	Fog ...	1-4	.....	.....	Foggy.
*Escanaba, Mich	29.23	31	89	N.	16	4-4	.....	.....	.....	Light snow.
*Fort Benton, Mont	29.95	37	71	Calm.	0	4-4	.....	.....	.....	Cloudy.
*Fort Garry, Manitoba	30.10	19	95	N.	3	0	0	.....	.....	Clear.
Fort Gibson, Ind. T	30.32	37	100	Calm.	0	Fog ...	.....	.....	.....	Foggy.
*Fort Sully, Dak	30.33	25	75	Calm.	0	0	0	.....	.....	Fair.
*Galveston, Tex	30.28	63	88	Calm.	0	0	3-4	N.	.....	Cloudy.
Grand Haven, Mich	29.91	40	86	Calm.	0	3-4	Hazy..	.....	.13	Cloudy.
Indianapolis, Ind	29.93	42	87	N.	20	4-4	.....	.....	.05	Light rain.
*Indianola, Tex	30.31	59	94	N.	13	0	2-4	.....	.....	Fair.
Jacksonville, Fla	30.16	61	80	N. W.	4	4-4	.....	.....	.06	Threatening.
Keokuk, Iowa	30.05	39	82	W.	6	0	2-4	W.	.....	Fair.
Key West, Fla	30.13	77	76	Calm.	0	0	3-4	N. E.	.01	Fair.
Kingston, Canada	30.18	34	86	E.	3	0	2-4	.....	.....	Fair.
Knoxville, Tenn	30.11	44	83	Calm.	0	Hazy..	4-4	.....	.....	Cloudy.
La Crosse, Wis	30.01	36	90	N. W.	4	4-4	.....	.....	.....	Cloudy.
Lake City, Fla	30.19	57	93	N. E.	4	4-4	.....	.....	.04	Cloudy.
*Leavenworth, Kans	30.17	37	81	N. W.	4	0	0	.....	.....	Clear.
Louisville, Ky	29.84	53	67	S. W.	6	2-4	2-4	.....	.02	Light rain.
Lynchburg, Va	30.29	43	83	Calm.	0	Smoky	3-4	S. W.	.....	Cloudy.
*Marquette, Mich	30.05	31	89	N. W.	8	2-4	2-4	N. W.	.....	Cloudy.
Memphis, Tenn	30.16	53	73	W.	8	0	1-4	.....	.....	Fair.
Milwaukee, Wis	29.91	38	86	W.	4	Smoky	2-4	S. W.	.....	Fair.
Mobile, Ala	30.25	52	86	N. W.	6	0	0	.....	.....	Clear.
Montgomery, Ala	30.20	52	79	S.	2	Smoky	2-4	.....	.....	Fair.
Montreal, Canada	30.11	38	71	W.	6	0	0	.....	.....	Clear.
*Mount Washington, N. H	30.10	24	74	N. W.	41	0	0	.....	.....	Clear.
Nashville, Tenn	30.01	56	57	W.	15	4-4	.....	.....	.....	Threatening.
New London, Conn	30.29	43	75	Calm.	0	0	1-4	.....	.....	Fair.
New Orleans, La	30.23	58	69	S. W.	1	Fog ...	1-4	W.	.....	Fair.
New York, N. Y	30.23	47	70	S. W.	3	Smoky	Hazy..	.....	.....	Clear.
Norfolk, Va	30.23	53	63	S. E.	6	0	2-4	.....	.....	Fair.
Omaha, Nebr	30.23	35	80	N. W.	8	0	1-4	N. W.	.....	Fair.
Oswego, N. Y	30.13	43	67	S. E.	8	0	2-4	W.	.....	Fair.
*Pembina, Dak	30.20	20	92	Calm.	0	0	0	.....	.....	Clear.
Philadelphia, Pa	30.24	48	70	S. W.	1	Smoky	1-4	S. W.	.....	Fair.
Pittsburgh, Pa	30.07	44	66	E.	2	Fog ...	.....	.....	.....	Cloudy.
Port Dover, Canada	30.04	40	73	N.	4	0	4-4	.....	.....	Cloudy.
Port Stanley, Canada	30.02	39	82	S. E.	4	4-4	.....	.....	.....	Cloudy.
Portland, Me	30.19	45	53	Calm.	9	0	0	.....	.....	Clear.
*Portland, Oreg	30.13	46	76	Calm.	0	4-4	.....	.....	.....	Cloudy.
Punta Rassa, Fla	30.17	68	29	E.	2	Fog ...	.....	.....	.....	Foggy.
Quebec, Canada	30.19	47	100	Calm.	0	0	0	.....	.....	Clear.
Rochester, N. Y	30.10	46	58	S. W.	6	4-4	.....	.....	.....	Cloudy.
*San Diego, Cal	30.10	54	73	Calm.	0	4-4	.....	.....	.....	Cloudy.
*San Francisco, Cal	30.10	48	85	W.	16	1-4	0	.....	.....	Fair.
*Santa Fé, N. Mex	29.98	38	33	Calm.	0	0	0	.....	.....	Clear.
Saugeen, Canada	29.97	37	81	E.	3	Hazy..	.....	.....	.04	Cloudy.
Savannah, Ga	30.18	54	79	N. E.	4	Smoky	1-4	.....	.....	Fair.
Shreveport, La	30.25	55	74	W.	4	0	2-4	W.	.....	Fair.
Saint Louis, Mo	30.04	41	82	N. W.	16	2-4	Hazy..	.....	.25	Fair.
Saint Paul, Minn	30.13	35	71	N.	12	0	1-4	N.	.....	Fair.
*Toledo, Ohio	29.83	51	51	S.	17	0	4-4	S. W.	.....	Cloudy.
Toronto, Canada	30.09	37	95	Calm.	0	4-4	.....	.....	.02	Cloudy.
*Vicksburg, Miss	30.25	55	79	S. W.	1	0	2-4	S. W.	.....	Cloudy.
Virginia City, Mont	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Washington, D. C	30.20	52	60	S.	4	Smoky	.....	.....	.....	Clear.
Wilmington, N. C	30.18	54	87	N.	.....	Fog ...	3-4	N.	.....	Cloudy.
*Yankton, Dak	30.26	30	92	N. W.	6	1-4	1-4	N. W.	.....	Fair.


WAR DEPARTMENT WEATHER MAP.
SIGNAL SERVICE, U.S. ARMY.
Division of Telegrams and Reports for the Benefit of Commerce and Agriculture.
Washington, Friday, April 11, 1873.—7.35 A. M.
All Observations made at the same moment of actual (not local) time.
HIGH
HIGH
HIGH
REFERENCES.
CLEAR
CLOUDY
SNOW
FAIR
RAIN
Note.
Isobarometric lines
Isothermal
PUBLISHED BY ORDER OF THE SECRETARY OF WAR.

WASHINGTON, D. C.,
FRIDAY, *April* 11, 1873—7.35 *a. m.*

SYNOPSIS.

The barometer has fallen somewhat, but continues highest in the Eastern Gulf and South Atlantic States; it has risen in the Middle and Eastern States. A local storm has advanced during the night from Kansas eastward to Southern Indiana, and there are indications of the presence of a second one approaching Lake Huron. The pressure has risen decidedly, with cool northwest winds and clearing weather, over the Upper Lakes and Missouri Valley, so far as heard from. It has fallen in Oregon and probably in Montana. The temperature has risen, with threatening weather, in Tennessee and the Ohio Valley; it has risen, with cloudy weather, on the Lower Lakes and Lake Huron, and with clear or hazy weather, in the Middle and Eastern States.

PROBABILITIES.

During the rest of Friday the storm in the Ohio Valley extend rapidly over the Lower Lakes and to a less extent toward the Middle Atlantic coast. For the Lower Lakes, easterly winds, threatening weather, and light rain. For Middle and Eastern States, south and east winds, falling barometer, and cloudy and hazy weather, possibly followed by rain Friday night in the Middle Atlantic States. For South Atlantic States, easterly winds, cloudy and threatening weather. For Florida, falling barometer, cloud, and rain. For Eastern Gulf States, southeast and southwest winds, threatening weather, and possibly rain. For the Southwest, rising barometer and cool weather. For the Upper Lakes, rising barometer and clear weather.

Cautionary signals are ordered for Detroit, Toledo, Cleveland, and Buffalo.

Reports are very generally missing from Texas, the Missouri Valley, the Northwest, and Lake Superior.

FACTS—4.35 P. M., (*following the above "Probabilities."*)

WIND AND WEATHER.

(1.) *Clear.*—At Denver, wind SE., gentle; Fort Gibson, wind NW., gentle; Jacksonville, wind W., gentle; Charleston and Corinne, wind S., fresh; Duluth and New Orleans, wind NW., fresh; San Diego, wind W., fresh; San Francisco, wind W., brisk.

(2.) *Fair.*—At Indianola, wind N., light; Kingston, wind E., gentle; Pembina, wind S., gentle; Augusta, Lake City, Mobile, Montgomery, and Punta Rassa, wind W., fresh; Breckenridge, wind NE., fresh; Cheyenne and Eastport, wind SW., fresh; Davenport, Key West, Saint Paul, and Shreveport, wind NW., fresh; Leavenworth, Omaha, and Vicksburg, wind N., fresh; Lynchburg, wind S., fresh; Fort Benton, wind SW., brisk; Grand Haven and Knoxville, wind NW., brisk; Indianapolis, wind W., brisk; Philadelphia and Washington, wind SE., brisk.

(3.) *Cloudy.*—At Burlington, Galveston, and Quebec, calm; Stanley, wind E., light; Montreal, wind NE., gentle; Santa Fé, wind SW., gentle; Boston, wind S., fresh; Baltimore, New London, and Rochester, wind SE., fresh; Buffalo, Milwaukee, and Norfolk, wind NE., fresh; Cape May, wind E., fresh; Cincinnati, wind W., fresh; Chicago and Dover, wind N., fresh; Keokuk and Nashville, wind NW., fresh; Portland, Me., wind SW., fresh; Cairo and Saint Louis, wind NW., brisk; Escanaba, wind N., brisk; Toronto, wind E., brisk.

(4.) *Rainy.*—At Saugeen, wind SE., light; Detroit, wind NW., fresh; Cleveland, wind W., brisk; Louisville and Toledo, wind NW., brisk; Pittsburgh, wind SW., high.

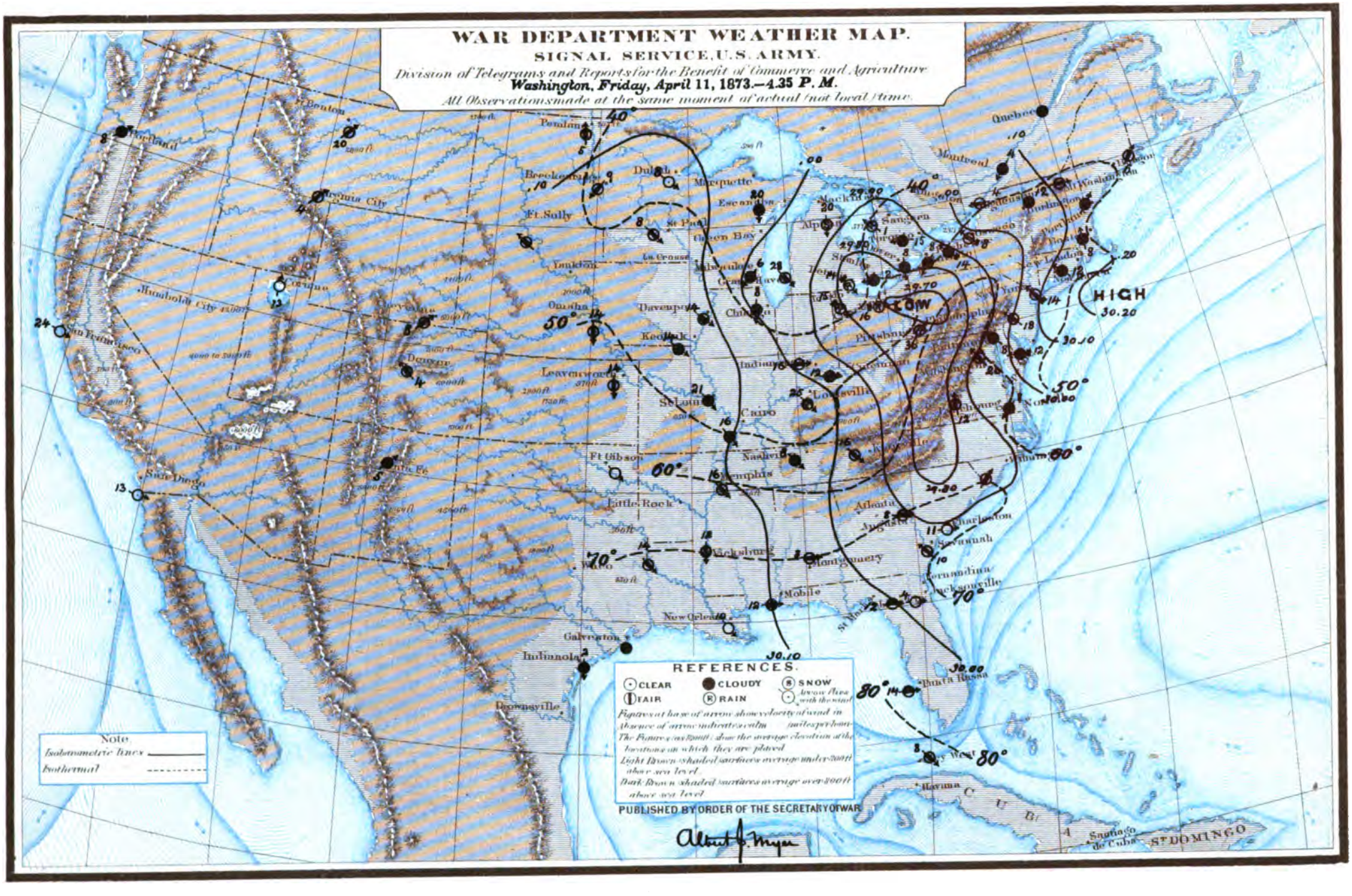
(5.) *Snowy.*—At Alpena, wind N., brisk.

GENERAL REMARKS AS TO VERIFICATIONS.

The above "Probabilities" were generally verified, except "for South Atlantic States, easterly winds, cloudy and threatening weather," "for Eastern Gulf States, southeast and southwest winds, threatening weather, and possibly rain," and "for the Upper Lakes, clear weather," partly verified.

METEOROLOGICAL RECORD, APRIL 11, 1873—4.35 P. M.

Place of observation.	Barometer.	Thermometer.	Relative humidity, per cent.	Wind.		Clouds.			Rain-fall in last 8 hours.	State of the weather.
				Direction.	Velocity.	Amount of lower.	Amount of upper.	Direction of upper.		
Alpena, Mich	29.90	34	89	N.	20	4-4	.....	.....	.43	Heavy snow.
Augusta, Ga	29.94	73	24	W.	8	0	2-4	W.	.....	Fair.
Baltimore, Md	29.97	60	46	S. E.	8	2-4	1-4	N. W.	.....	Cloudy.
Boston, Mass	30.13	59	75	S.	8	Hazy..	4-4	W.	.....	Cloudy.
Breckenridge, Minn	30.21	37	72	N. E.	9	0	1-4	W.	.....	Fair.
Buffalo, N. Y	29.70	60	39	N. E.	8	4-4	.....	.....	.....	Cloudy.
Burlington, Vt	30.05	51	52	Calm.	0	4-4	.....	.....	.....	Threatening.
Cairo, Ill	30.05	54	93	N. W.	16	2-4	1-4	S. W.	.07	Cloudy.
Cape May, N. J	30.04	49	78	E.	12	0	4-4	S.	.....	Cloudy.
Charleston, S. C	29.94	67	59	S.	11	Smoky	0	.....	.....	Clear.
Cheyenne, Wyo	30.03	59	13	S. W.	8	0	0	.....	.....	Fair.
Chicago, Ill	30.01	40	73	N.	8	0	4-4	W.	.05	Cloudy.
Cincinnati, Ohio	30.00	52	60	W.	12	Smoky	4-4	W.	.12	Threatening.
Cleveland, Ohio	29.77	41	100	W.	16	4-4	.....	.....	.21	Heavy rain.
Corinne, Utah	30.06	66	6	S.	13	0	Hazy..	.....	.....	Clear.
Davenport, Iowa	30.11	45	60	N. W.	14	1-4	2-4	N. W.	.....	Fair.
Denver, Colo	30.05	64	8	S. E.	4	0	0	.....	.....	Clear.
Detroit, Mich	29.79	36	100	N. W.	14	4-4	.....	.....	.40	Heavy rain.
Duluth, Minn	30.13	39	63	N. W.	8	0	0	.....	.....	Clear.
Eastport, Me	30.15	49	51	S. W.	6	0	2-4	.....	.....	Fair.
Escanaba, Mich	30.03	36	70	N.	20	4-4	.....	.....	.....	Cloudy.
Fort Benton, Mont	29.80	67	9	S. W.	20	0	3-4	S. W.	.....	Fair.
Fort Garry, Manitoba	29.99	40	52	S. W.	6	Hazy..	Hazy..	.....	.....	Fair.
Fort Gibson, Ind. T	30.32	62	26	N. W.	5	0	0	.....	.....	Clear.
Fort Sully, Dak	30.09	56	26	S. E.	12	0	2-4	W.	.....	Fair.
Galveston, Tex	30.20	74	45	Calm.	0	0	4-4	W.	.....	Cloudy.
Grand Haven, Mich	29.92	36	80	N. W.	28	Hazy..	1-4	N. W.	.....	Fair.
Indianapolis, Ind	30.00	48	56	W.	16	0	3-4	W.	.....	Clearing.
Indianola, Texas	30.22	77	35	N.	2	0	2-4	W.	.....	Fair.
Jacksonville, Fla	30.00	77	46	W.	4	0	1-4	W.	.07	Clear.
Keokuk, Iowa	30.16	43	67	N. W.	14	4-4	.....	.....	.....	Cloudy.
Key West, Fla	30.05	83	64	N. W.	8	0	2-4	.....	.....	Fair.
Kingston, Canada	30.01	54	87	E.	4	0	3-4	.....	.....	Fair.
Knoxville, Tenn	29.97	58	41	N. W.	16	0	2-4	W.	.02	Fair.
*La Crosse, Wis	30.11	44	45	N.	12	3-4	.....	.....	.....	Cloudy.
Lake City, Fla	29.98	78	58	W.	12	0	1-4	.....	.01	Fair.
Leavenworth, Kans	30.16	54	32	N.	14	2-4	0	.....	.....	Fair.
Louisville, Ky	30.03	45	88	N. W.	25	4-4	.....	.....	.05	Light rain.
Lynchburg, Va	29.81	66	45	S.	12	Smoky	1-4	S. W.	.....	Fair.
*Marquette, Mich	30.13	39	63	N. W.	8	0	0	.....	.....	Clear.
Memphis, Tenn	30.14	63	28	N. W.	16	0	2-4	S. W.	.....	Fair.
Milwaukee, Wis	29.97	35	95	N. E.	6	4-4	.....	.....	.66	Threatening.
Mobile, Ala	30.10	76	41	W.	12	0	2-4	N. W.	.....	Fair.
Montgomery, Ala	30.04	73	20	W.	8	0	1-4	W.	.....	Fair.
Montreal, Canada	30.07	48	70	N. E.	4	0	4-4	N. E.	.....	Cloudy.
Mount Washington, N. H	30.14	28	88	W.	12	2-4	0	.....	.....	Fair.
Nashville, Tenn	30.05	57	52	N. W.	8	1-4	1-4	W.	.....	Cloudy.
New London, Conn	30.20	48	56	S. E.	12	4-4	.....	.....	.....	Cloudy.
New Orleans, La	30.13	72	49	N. W.	10	0	0	.....	.....	Clear.
New York, N. Y	30.11	52	72	S. E.	14	1-4	2-4	N. W.	.....	Fair.
Norfolk, Va	29.94	57	66	N. E.	8	0	4-4	S. E.	.....	Cloudy.
Omaha, Nebr	30.21	50	32	N.	14	0	1-4	N.	.....	Fair.
Oswego, N. Y	29.90	58	46	S. E.	8	2-4	2-4	W.	.....	Fair.
Pembina, Dak	30.08	40	73	S.	5	0	2-4	.....	.....	Fair.
Philadelphia, Pa	30.04	55	33	S. E.	18	0	2-4	S. W.	.....	Fair.
Pittsburgh, Pa	29.75	62	94	S. W.	36	4-4	.....	.....	.....	Light rain.
Port Dover, Canada	29.75	56	46	N.	8	0	4-4	W.	.....	Cloudy.
Port Stanley, Canada	29.73	52	47	E.	2	4-4	.....	.....	.....	Cloudy.
Portland, Me	30.14	48	54	S. W.	10	2-4	1-4	.....	.....	Cloudy.
Portland, Oreg	30.15	50	72	S. W.	8	4-4	.....	.....	.01	Cloudy.
Punta Rassa, Fla	30.08	79	74	W.	14	0	2-4	W.	.....	Fair.
Quebec, Canada	30.14	49	100	Calm.	0	4-4	.....	.....	.....	Cloudy.
Rochester, N. Y	29.82	59	37	S. E.	14	4-4	.....	.....	.....	Cloudy.
San Diego, Cal	30.08	61	76	W.	13	0	0	.....	.....	Clear.
San Francisco, Cal	30.17	53	61	W.	24	0	0	.....	.....	Clear.
Santa Fé, N. Mex	29.87	58	3	S. W.	5	2-4	2-4	S. W.	.....	Cloudy.
Saugeen, Canada	29.83	47	77	S. E.	1	4-4	.....	.....	.01	Light rain.
Savannah, Ga	29.96	68	46	S. E.	10	Smoky	1-4	S. W.	.....	Fair.
Shreveport, La	30.19	73	17	N. W.	14	Hazy..	2-4	W.	.....	Fair.
Saint Louis, Mo	30.14	48	49	N. W.	21	2-4	2-4	N. W.	.....	Cloudy.
Saint Paul, Minn	30.15	49	56	N. W.	8	0	2-4	N. W.	.....	Fair.
Toledo, Ohio	29.83	44	84	N. W.	15	4-4	.....	.....	.45	Light rain.
Toronto, Canada	29.86	47	57	E.	15	3-4	1-4	W.	.....	Cloudy.
Vicksburg, Miss	30.17	74	27	N.	12	0	Hazy..	.....	.....	Fair.
Virginia City, Mont	29.70	52		S. W.	4	0	1-4	W.	.....	Fair.
Washington, D. C	29.94	63	33	S. E.	20	Smoky	2-4	S. W.	.....	Fair.
Wilmington, N. C	29.90	71	57	S. W.	Brisk.	Hazy..	2-4	S. W.	.....	Fair.
*Yankton, Dak	30.20	48	68	N.	7	0	1-4	.....	....	Fair.


WAR DEPARTMENT WEATHER MAP.
SIGNAL SERVICE, U.S. ARMY.
Division of Telegrams and Reports for the Benefit of Commerce and Agriculture
Washington, Friday, April 11, 1873.—4.35 P. M.
All Observations made at the same moment of actual (not local) time.
HIGH
30.20
LOW
REFERENCES.
CLEAR
CLOUDY
SNOW
FAIR
RAIN
Figures at base of arrow show velocity of wind in miles per hour. Absence of arrow indicates calm.
The Figures (as 2000ft.) show the average elevation of the locations in which they are placed.
Light Brown shaded surfaces average under 2000ft above sea level.
Dark Brown shaded surfaces average over 8000ft above sea level.
Note.
Isobarometric lines
Isothermal
PUBLISHED BY ORDER OF THE SECRETARY OF WAR.
Albert J. Myer
Portland
Benton
Virginia City
Humboldt City
San Francisco
Santa Fe
San Diego
Fort Ellis
Fort Sully
Duluth
Marquette
Escanaba
Green Bay
Milwaukee
Chicago
Dubuque
Davenport
Keokuk
Omaha
Denver
Leavenworth
St Louis
Cairo
Louisville
Nashville
Memphis
Fort Gibson
Little Rock
Vicksburg
Mobile
New Orleans
Galveston
Indianola
Brownsville
Montgomery
Atlanta
Augusta
Charleston
Savannah
Fernandina
Jacksonville
Key West
Havana
Cuba
Santiago de Cuba
St DOMINGO
Quebec
Montreal
Portland
Boston
Burlington
Albany
Buffalo
Cleveland
Pittsburgh
Philadelphia
Baltimore
Washington
Norfolk
Wilmington
Cincinnati
Columbus
Indianapolis
Chicago
Milwaukee
Detroit
Toronto
Alpena
Mackinaw
Sandusky
Toledo
Erie
Oswego
Albany
Burlington
Portland
Boston
Nantucket
Norfolk
Wilmington
Charleston
Savannah
Jacksonville
Key West
Havana
Santiago de Cuba
St DOMINGO

WASHINGTON, D. C.,
FRIDAY, *April* 11, 1873—4.35 *p. m.*

SYNOPSIS.

The storm-centre, that was apparently in Kansas on Thursday afternoon, after passing over the Lower Ohio Valley as a somewhat extended local storm, has rapidly developed during Friday into larger dimensions, and is now central over the eastern part of Lake Erie. Fresh easterly winds and threatening weather prevail on Lake Ontario. Fresh to brisk northeast and northwest winds, with rain, on Lake Erie. Brisk northerly winds, with rain and snow, on Lake Huron. Fresh to brisk northerly winds, with threatening weather, on Lake Michigan. Brisk westerly winds, with light rain, over the Ohio Valley. Fresh to brisk southeasterly winds, with cloudy or hazy weather, on the Southern and Middle Atlantic coasts. The barometer has fallen, with northwest winds, in the Western Gulf States. It has fallen decidedly, with rain, in Montana and Oregon. The temperature has risen at the Rocky Mountain stations and in the Gulf States, but most decidedly in Western New York. The rivers have risen at Memphis, Cincinnati, Pittsburgh, Saint Louis, and Saint Paul, and have fallen at Keokuk.

PROBABILITIES.

The area of lowest barometer move northeastward down the Saint Lawrence Valley on Saturday. For New England, southeasterly winds and threatening weather. For the Middle States, southeast winds veer to southwest and to northwest, with cool, cloudy weather, during Saturday. For the Lower Lakes, fresh and possibly brisk northwesterly winds, with falling temperature and clearing weather. For the Upper Lakes, diminishing northerly winds, partly cloudy and clear weather, followed very generally by southerly winds, with falling barometer by Saturday night. For the Lower Missouri and Southwest, falling barometer and rising temperature. For the Eastern Gulf and South Atlantic States, northwesterly winds backing to south, with falling barometer and partly cloudy weather. Cautionary signals continue at Detroit, Toledo, Cleveland, Norfolk, Wilmington, Baltimore, Buffalo, Cape May, and New York, and are ordered for Rochester and Oswego.

FACTS—11 P. M., (*following the above "Probabilities."*)

WIND AND WEATHER.

(1.) *Clear.*—At Duluth, Montgomery, Nashville, and Shreveport, calm; Leavenworth, wind E., light; La Crosse, wind N., light; Cheyenne, wind W., gentle; Denver, wind SE., gentle; Memphis and Saint Paul, wind NW., gentle; Davenport and Milwaukee, wind NW., fresh; Escanaba, wind N., fresh; Keokuk, wind W., fresh; Pembina, wind SE., fresh; Savannah, wind SW., fresh; Cairo, wind NE., brisk; San Francisco, wind W., brisk.

(2.) *Fair.*—At Augusta, Galveston, and Portland, Me., calm; Boston, wind E., gentle; Mobile and New Orleans, wind NW., gentle; Santa Fé, wind SE., gentle; Toledo, wind W., gentle; Oswego, Breckenridge, Fort Sully, and Yankton, wind SE., fresh; Cleveland, wind SW., fresh; San Diego and Indianapolis, wind W., fresh; Kingston, wind NE., fresh; Lynchburg and Saint Louis, wind NW., fresh; Milwaukee, wind N., fresh; New London, wind E., fresh; Louisville, wind W., brisk.

(3.) *Cloudy.*—At Portland, Oreg., calm; Montreal, Norfolk, and Omaha, wind NE., gentle; Pittsburgh, wind W., gentle; Baltimore and Detroit, wind NW., fresh; Chicago and Washington, wind N., fresh; Cincinnati, wind W., fresh; Corinne, wind S., fresh; Charleston, wind SW., fresh; Philadelphia, wind NE., fresh; Rochester, wind SE., fresh; Buffalo, wind W., brisk; New York, wind NE., brisk; Toronto, wind E., brisk.

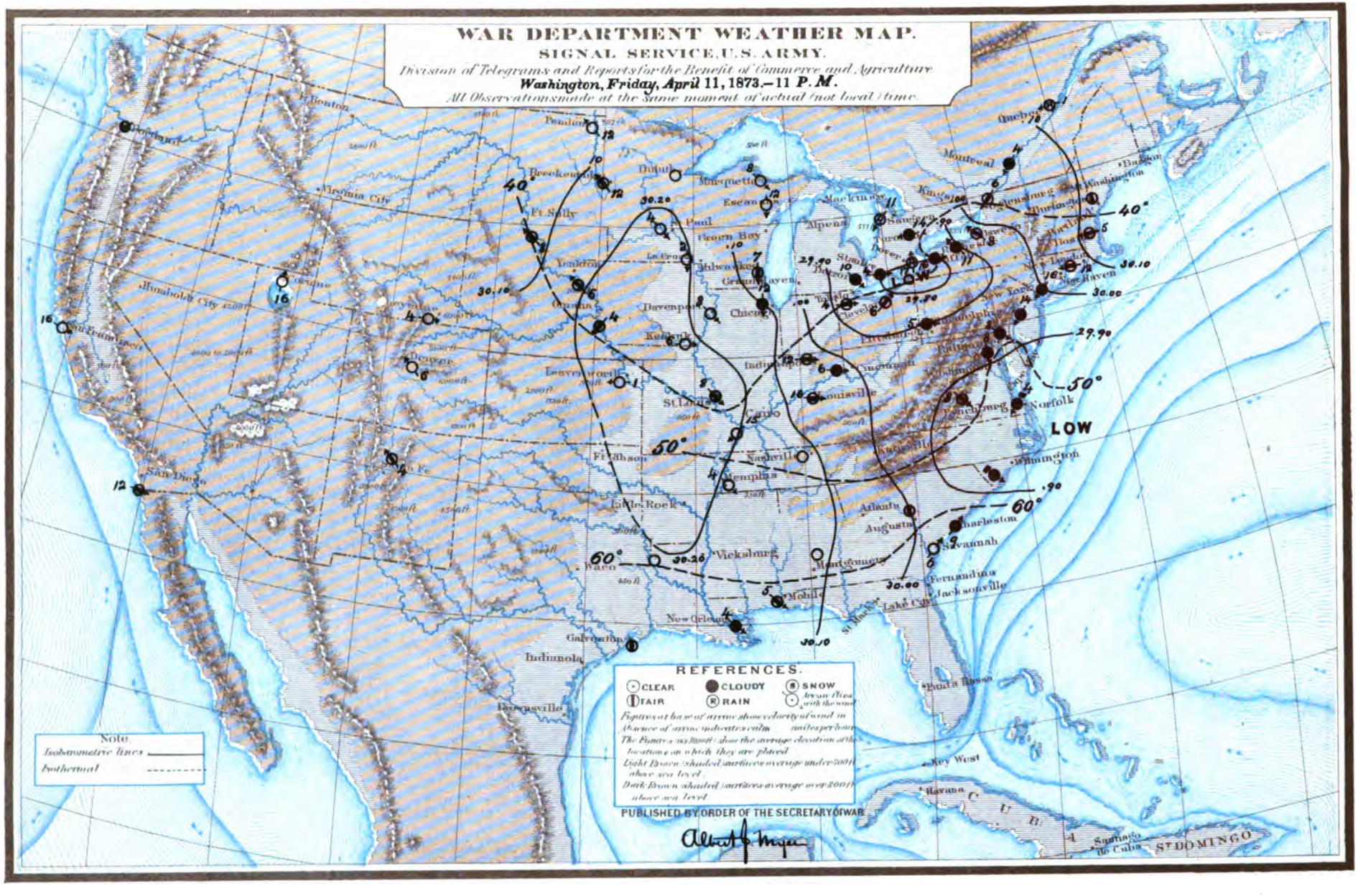
(4.) *Rainy.*—At Quebec, wind E., light; Stanley, wind W., gentle; Dover, wind S., brisk; Saugeen, wind NE., brisk.

GENERAL REMARKS AS TO VERIFICATIONS.

The above "Probabilities" were generally verified, except "for the Middle States, cloudy weather during Saturday," "for New England, southeast winds," and "for the Upper Lakes, southerly winds, with falling barometer by Saturday night," partly verified; "for the Eastern Gulf and South Atlantic States, winds backing to south, with falling barometer," not verified.

METEOROLOGICAL RECORD, APRIL 11, 1873—11 P. M.

Place of observation.	Barometer.	Thermometer.	Relative humidity, per cent.	Wind.		Clouds.			Rain-fall in last 8 hours.	State of the weather.
				Direction.	Velocity.	Amount of lower.	Amount of upper.	Direction of upper.		
*Alpena, Mich	29.95	34	79	N.	18	4-4	.....	.....	.26	Light snow.
Augusta, Ga	30.02	60	49	Calm.	0	0	2-4	W.	.....	Fair.
Baltimore, Md	29.91	50	71	N. W.	8	3-4	1-4	W.	.....	Cloudy.
Boston, Mass	30.12	44	68	E.	5	0	1-4	W.	.....	Fair.
Breckenridge, Minn	30.16	35	81	S. E.	12	Hazy..	Hazy..	.....	.....	Fair.
Buffalo, N. Y	29.79	40	91	W.	16	2-4	2-4	S. E.	.....	Threatening.
*Burlington, Vt	30.02	43	66	S.	3	0	4-4	W.	.....	Cloudy.
Cairo, Ill	30.19	47	100	N. E.	15	0	1-4	.....	.....	Clear.
*Cape May, N. J	29.87	46	100	E.	10	4-4	.....	.....	.38	Heavy rain.
Charleston, S. C	29.94	61	82	S. W.	9	0	4-4	W.	.....	Cloudy.
Cheyenne, Wyo	30.00	39	46	W.	4	0	0	.....	.....	Clear.
Chicago, Ill	30.13	37	71	N.	12	2-4	2-4	W.	.05	Cloudy.
Cincinnati, Ohio	30.03	45	68	W.	6	Smoky	4-4	N. W.	.....	Cloudy.
Cleveland, Ohio	29.85	41	83	S. W.	6	0	2-4	W.	.16	Clearing.
Corinne, Utah	29.92	55	22	S.	16	1-4	2-4	W.	.....	Fair.
Davenport, Iowa	30.18	39	72	N. W.	8	0	0	.....	.....	Clear.
Denver, Colo	30.03	48	23	S. E.	6	0	0	.....	.....	Clear.
Detroit, Mich	29.83	39	82	Calm.	10	2-4	2-4	W.	.15	Cloudy.
Duluth, Minn	30.17	32	79	N. W.	0	0	0	.....	.....	Clear.
*Eastport, Me	30.19	39	82	S. W.	4	Hazy..	2-4	.....	.....	Fair.
Escanaba, Mich	30.14	30	67	N.	12	0	0	.....	.....	Clear.
*Fort Benton, Mont	29.77	45	53	Calm.	0	0	3-4	W.	.....	Fair.
Fort Garry, Manitoba	29.92	34	94	S. W.	22	Fog ...	Hazy..	.....	.....	Foggy.
*Fort Gibson, Ind. T	30.29	51	65	N. E.	4	0	0	.....	.....	Clear.
Fort Sully, Dak	30.04	46	43	S. E.	8	0	Hazy..	.....	.....	Fair.
Galveston, Tex	30.21	68	73	Calm.	0	0	2-4	W.	.....	Fair.
*Grand Haven, Mich	29.98	35	80	N. W.	12	4-4	.....	.....	.01	Light rain.
Indianapolis, Ind	30.04	43	70	W.	12	0	2-4	W.	.01	Fair.
*Indianola, Tex	30.21	66	81	S. E.	6	0	2-4	W.	.....	Fair.
*Jacksonville, Fla	30.03	65	48	S. W.	4	0	1-4	S. W.	.....	Clear.
Keokuk, Iowa	30.19	38	81	W.	6	0	0	.....	.....	Clear.
*Key West, Fla	30.09	76	81	N.	9	0	2-4	N.	.....	Fair.
Kingston, Canada	30.01	41	87	N. E.	6	1-4	1-4	.....	.....	Fair.
*Knoxville, Tenn	30.07	46	68	W.N.W	16	4-4	.....	.....	.....	Cloudy.
La Crosse, Wis	30.19	38	63	N.	2	0	0	.....	.....	Clear.
*Lake City, Fla	30.04	61	94	W.	4	0	Hazy..	.....	.....	Fair.
Leavenworth, Kans	30.22	44	52	E.	1	0	0	.....	.....	Clear.
Louisville, Ky	30.07	55	60	W.	16	1-4	2-4	W.	.....	Clearing.
Lynchburg, Va	29.87	49	71	N. W.	8	0	1-4	S. W.	.07	Clearing.
Marquette, Mich	30.18	31	79	N. W.	8	0	0	.....	.....	Clear.
Memphis, Tenn	30.19	55	38	N. W.	4	0	0	.....	.....	Clear.
Milwaukee, Wis	30.05	34	81	N.	7	1-4	2-4	N.	.01	Clearing.
Mobile, Ala	30.17	62	46	N. W.	5	0	2-4	W.	.....	Fair.
Montgomery, Ala	30.10	59	48	Calm.	0	0	0	.....	.....	Clear.
Montreal, Canada	30.06	33	72	N. E.	4	0	4-4	N. E.	.....	Cloudy.
*Mount Washington, N. H	30.11	25	75	N. W.	10	Hazy..	0	.....	.....	Fair.
Nashville, Tenn	30.13	49	37	Calm.	0	0	1-4	S. W.	.....	Clear.
New London, Conn	30.02	42	70	E.	12	0	2-4	S.	.....	Fair.
New Orleans, La	30.15	65	63	N. W.	4	0	2-4	N.	.....	Fair.
New York, N. Y	29.97	45	68	N. E.	16	4-4	.....	.....	.....	Cloudy.
Norfolk, Va	29.80	52	93	N. E.	4	4-4	.....	.....	.....	Cloudy.
Omaha, Nebr	30.24	40	73	N. E.	4	0	1-4	.....	.....	Fair.
Oswego, N. Y	29.92	49	64	S. E.	8	0	3-4	.....	.....	Fair.
Pembina, Dak	30.00	33	89	S. E.	12	0	0	.....	.....	Clear.
Philadelphia, Pa	29.92	46	72	N. E.	14	0	2-4	S. W.	.....	Cloudy.
Pittsburgh, Pa	29.94	42	91	W.	5	4-4	.....	.....	.16	Cloudy.
Port Dover, Canada	29.82	35	90	S.	17	4-4	.....	.....	.....	Light rain.
Port Stanley, Canada	29.80	35	98	W.	4	4-4	.....	.....	.16	Light rain.
Portland, Me	30.11	39	72	Calm.	0	0	Hazy..	.....	.....	Fair.
Portland, Oreg	30.11	48	78	Calm.	0	4-4	.....	.....	.03	Cloudy.
*Punta Rassa, Fla	30.09	73	76	N. W.	12	0	0	.....	.02	Clear.
Quebec, Canada	30.11	41	91	E.	1	4-4	.....	.....	.....	Light rain.
Rochester, N. Y	29.85	49	56	S. E.	11	1-4	3-4	S. W.	.....	Cloudy.
San Diego, Cal	30.09	54	86	W.	12	2-4	0	.....	.....	Fair.
San Francisco, Cal	30.16	51	65	W.	16	Hazy..	Hazy..	.....	.....	Clear.
Santa Fé, N. Mex	29.86	48	10	S. E.	4	1-4	2-4	S. W.	.....	Fair.
Saugeen, Canada	29.82	40	91	N. E.	11	4-4	.....	.....	.20	Light rain.
Savannah, Ga	29.91	61	66	S. W.	6	0	1-4	S. W.	.....	Clear.
Shreveport, La	30.19	61	71	Calm.	0	0	0	.....	.....	Clear.
Saint Louis, Mo	30.22	39	71	N. W.	8	1-4	0	.....	.....	Fair.
Saint Paul, Minn	30.22	37	70	N. W.	4	1-4	0	.....	.....	Clear.
Toledo, Ohio	29.88	42	75	W.	4	1-4	0	.....	.....	Fair.
Toronto, Canada	29.81	44	82	E.	14	1-4	3-4	W.	.....	Threatening.
*Vicksburg, Miss	30.19	61	50	Calm.	0	0	0	.....	.....	Clear.
Virginia City, Mont	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Washington, D. C	29.89	50	58	N.	8	4-4	.....	.....	.....	Threatening.
Wilmington, N. C	29.90	59	70	N. W.	Brisk.	4-4	0	.....	.....	Cloudy.
Yankton, Dak	30.20	39	82	S. E.	6	0	2-4	.....	.....	Fair.


WAR DEPARTMENT WEATHER MAP.
SIGNAL SERVICE, U.S. ARMY.
Division of Telegrams and Reports for the Benefit of Commerce and Agriculture
Washington, Friday, April 11, 1873.—11 P.M.
All Observations made at the Same moment of actual (not local) time.
REFERENCES.
CLEAR
CLOUDY
SNOW
FAIR
RAIN
Note.
Isobarometric lines
Isothermal
PUBLISHED BY ORDER OF THE SECRETARY OF WAR.
LOW
LOW
Boston
Portland
Virginia City
Humboldt City
San Francisco
San Diego
Denver
Ft. Sill
Brownsville
Galveston
Indianola
New Orleans
Mobile
Montgomery
Vicksburg
Waco
Little Rock
Memphis
Nashville
Ft. Gibson
St. Louis
Leavenworth
Keokuk
Davenport
Dubuque
Chicago
Milwaukee
Green Bay
Marquette
Escanaba
Mackinaw
Alpena
Detroit
Toronto
Buffalo
Cleveland
Pittsburgh
Cincinnati
Louisville
Indianapolis
Columbus
Philadelphia
Baltimore
Washington
Norfolk
Wilmington
Charleston
Savannah
Augusta
Atlanta
Jacksonville
Fernandina
Key West
Havana
Santiago de Cuba
ST. DOMINGO
Montreal
Quebec
Portland
New Haven
New London
Boston
Pembina
Duluth
Fort Sill
Omaha
Cheyenne
Denver
Leavenworth
Keokuk
Davenport
Chicago
Milwaukee
Green Bay
Marquette
Escanaba
Mackinaw
Alpena
Detroit
Toronto
Buffalo
Cleveland
Pittsburgh
Cincinnati
Louisville
Indianapolis
Columbus
Philadelphia
Baltimore
Washington
Norfolk
Wilmington
Charleston
Savannah
Augusta
Atlanta
Jacksonville
Fernandina
Key West
Havana
Santiago de Cuba
ST. DOMINGO
Montreal
Quebec
Portland
New Haven
New London
Boston
30.20
30.10
30.00
29.90
29.80
29.70
.90
40°
50°
60°
40°
50°
60°

WASHINGTON, D. C.,
FRIDAY, *April* 11, 1873—11 *p. m.*

SYNOPSIS.

The storm-centre, that was Thursday night over Southern Illinois, is now apparently over Lakes Ontario and Erie, and a second barometric depression is central near Cape Hatteras. Northeasterly winds and threatening weather are reported from the Middle Atlantic States; easterly winds and falling barometer from New York and New England; variable winds, with cloud and light rain, from Lakes Erie and Huron; rising barometer, northerly winds, and cloudy or clear weather from the Upper Lakes. The barometer has fallen somewhat in the extreme Northwest, with increasing southerly winds and partly cloudy weather. Clear weather, with northerly winds, is very generally reported throughout the Mississippi Valley.

PROBABILITIES.

For Saturday, in New England, falling barometer, easterly winds, and threatening weather, clearing away very generally, with westerly winds and falling temperature by Saturday evening. For the Middle States and Lower Lakes, rising barometer, westerly winds, partly cloudy and clear weather. For the South Atlantic and Gulf States, rising barometer, clear weather, and light winds. The barometer continue falling over the Northwest, and extend, with southerly winds and rising temperature, eastward over the Upper Lakes and Lower Missouri Valley during the day.

Cautionary signals continue at Wilmington and Norfolk.

FACTS—7.35 A. M., (*following the above "Probabilities."*)

WIND AND WEATHER.

(1.) *Clear.*—At Keokuk and Saint Paul, calm; Cheyenne and Montgomery, wind W., light; Shreveport, wind E., light; San Francisco, wind SE., light; Kingston, wind NE., gentle; Lynchburg, wind W., gentle; Lake City, wind NW., gentle; Augusta, wind W., fresh; Charleston, Milwaukee, Nashville, and Savannah, wind NW., fresh; Escanaba and New Orleans, wind N., fresh; Chicago, wind NW., brisk.

(2.) *Fair.*—At Duluth, Davenport, Galveston, and Oswego, calm; Dover, wind SW., gentle; Jacksonville, wind W., gentle; La Crosse, wind S., gentle; Mobile, wind N., gentle; Saugeen, wind NE., gentle; Eastport and Montreal, wind NE., fresh; Fort Sully and Pembina, wind SE., fresh; Key West and Punta Rassa, wind N., fresh; Omaha, wind S., fresh; Saint Louis, wind NW., fresh; Quebec, wind E., fresh; Norfolk, wind NW., brisk.

(3.) *Cloudy.*—At Stanley and Toronto, calm; Burlington, wind NE., light; Buffalo, wind W., light; Cleveland and Detroit, wind SW., gentle; Pittsburgh, wind NW., gentle; Toledo, wind W., gentle; Alpena and Cincinnati, wind NW., fresh; Boston, wind E., fresh; Corinne and Portland, Me., wind NE., fresh; Indianapolis and Rochester, wind N., fresh; Louisville, wind NW., fresh; Grand Haven, wind N., brisk; Knoxville, wind NW., brisk; New London, wind E., high.

(4.) *Rainy.*—At Baltimore, wind NW., fresh; Washington, wind NE., fresh; Cape May, wind NW., brisk; Philadelphia, wind NE., brisk; New York, wind NE., high.

GENERAL REMARKS AS TO VERIFICATIONS.

The above "Probabilities" were generally verified, except "for the Middle States and Lower Lakes, rising barometer, westerly winds, partly cloudy and clear weather," partly verified; "for Saturday in New England, falling barometer, easterly winds, clearing away very generally, with westerly winds, by Saturday morning," not verified.

METEOROLOGICAL RECORD, APRIL 12, 1873—7.35 A. M.

Place of observation.	Barometer.	Thermometer.	Relative humidity, per cent.	Wind.		Clouds.			Rain-fall in last 8 hours.	State of the weather.
				Direction.	Velocity.	Amount of lower.	Amount of upper.	Direction of upper.		
Alpena, Mich	30.03	35	80	N. W.	8	4-4	.....	.....	.53	Cloudy.
Augusta, Ga	30.04	52	47	W.	8	0	0	.....	.....	Clear.
Baltimore, Md	29.78	46	73	N. W.	12	4-4	.....	.....	.08	Light rain.
Boston, Mass	29.95	42	66	E.	13	4-4	.....	.....	.....	Cloudy.
Breckenridge, Minn	30.03	34	80	S. E.	18	0	1-4	W.	.....	Fair.
Buffalo, N. Y	29.86	39	86	W.	2	4-4	.....	.....	.03	Cloudy.
Burlington, Vt	29.98	42	87	N. E.	1	3-4	0	.....	.....	Cloudy.
*Cairo, Ill	30.24	41	83	N. E.	6	1-4	.....	.....	.....	Clear.
Cape May, N. J	29.65	45	92	N. W.	18	4-4	.....	.....	.82	Light rain.
Charleston, S. C	29.98	56	51	N. W.	6	Smoky	0	.....	.....	Clear.
Cheyenne, Wyo	29.90	33	41	W.	1	0	0	.....	.....	Clear.
Chicago, Ill	30.15	36	60	N. W.	16	Smoky	0	.....	.....	Clear.
Cincinnati, Ohio	30.05	41	65	N. W.	9	4-4	.....	.....	.....	Cloudy.
Cleveland, Ohio	29.89	39	100	S. W.	5	4-4	.....	.....	.....	Cloudy.
Corinne, Utah	29.93	48	55	N. E.	7	4-4	.....	.....	.....	Cloudy.
Davenport, Iowa	30.23	36	80	Calm.	0	Smoky	Hazy.	.....	.....	Fair.
*Denver, Colo	29.96	37	39	S.	4	0	0	.....	.....	Clear.
Detroit, Mich	29.87	36	95	S. W.	4	4-4	.....	.....	.03	Cloudy.
Duluth, Minn	30.20	23	86	Calm.	0	Fog...	.....	.....	.....	Foggy.
Eastport, Me	30.19	39	73	N. E.	6	0	2-4	S.	.....	Fair.
Escanaba, Mich	30.19	28	65	N.	12	0	0	.....	.....	Clear.
*Fort Benton, Mont	29.81	39	81	W.	1	0	2-4	W.	.08	Fair.
Fort Garry, Manitoba	29.73	34	79	S.	22	2-4	0	.....	.....	Fair.
*Fort Gibson, Ind. T	30.29	48	63	N. E.	4	Hazy..	0	.....	.....	Clear.
Fort Sully, Dak	29.85	42	50	S. E.	12	0	Hazy..	.....	.....	Clear.
Galveston, Tex	30.22	65	73	Calm.	0	Fog...	1-4	W.	.....	Fair.
Grand Haven, Mich	30.04	35	70	N.	16	4-4	.....	.....	.03	Cloudy.
Indianapolis, Ind	30.05	37	71	N.	14	4-4	.....	.....	.....	Cloudy.
*Indianola, Tex	30.22	62	100	N. E.	7	Fog...	.....	.....	.....	Foggy.
Jacksonville, Fla	30.07	61	55	W.	4	0	2-4	S. W.	.....	Fair.
Keokuk, Iowa	30.20	39	73	Calm.	0	Hazy..	0	.....	.....	Clear.
Key West, Fla	30.04	74	67	N.	14	0	1-4	.....	.....	Fair.
Kingston, Canada	30.02	39	77	N. E.	4	0	1-4	N. E.	.....	Clear.
Knoxville, Tenn	30.09	41	63	N. W.	16	4-4	.....	.....	.....	Cloudy.
La Crosse, Wis	30.24	29	94	S.	4	0	1-4	.....	.....	Fair.
Lake City, Fla	30.08	57	81	N. W.	4	0	0	.....	.....	Clear.
*Leavenworth, Kans	30.24	35	79	S.	1	Smoky	0	.....	.....	Clear.
Louisville, Ky	30.09	40	73	N. W.	10	2-4	2-4	N. W.	.....	Cloudy.
Lynchburg, Va	29.86	45	68	W.	4	0	0	.....	.....	Clear.
Marquette, Mich	30.20	32	80	N. W.	4	0	0	.....	.....	Clear.
Memphis, Tenn	30.28	47	55	N. W.	4	Smoky	0	.....	.....	Clear.
Milwaukee, Wis	30.13	34	79	N. W.	7	Hazy..	0	.....	.....	Clear.
Mobile, Ala	30.24	55	55	N.	4	Fog...	Hazy..	.....	.....	Foggy.
Montgomery, Ala	30.17	50	71	W.	2	0	0	.....	.....	Clear.
Montreal, Canada	30.00	38	81	N. E.	6	0	2-4	N. E.	.....	Fair.
*Mount Washington, N. H	29.98	22	85	S.	36	0	4-4	S.	.....	Clearing.
Nashville, Tenn	30.18	43	57	N. W.	6	0	0	.....	.....	Clear.
New London, Conn	29.78	43	57	E.	30	4-4	.....	.....	.....	Threatening.
New Orleans, La	30.20	60	54	N.	10	0	0	.....	.....	Clear.
New York, N. Y	29.75	36	100	N. E.	36	4-4	.....	.....	.60	Heavy rain.
Norfolk, Va	29.81	50	60	N. W.	2	0	2-4	N. W.	.....	Fair.
Omaha, Nebr	30.17	39	81	S.	8	0	2-4	.....	.....	Fair.
Oswego, N. Y	29.91	46	60	Calm.	0	1-4	2-4	S. E.	.....	Fair.
Pembina, Dak	29.84	34	79	S. E.	10	2-4	0	.....	.....	Fair.
Philadelphia, Pa	29.72	43	91	N. E.	16	4-4	.....	.....	.13	Light rain.
Pittsburgh, Pa	29.93	39	100	N. W.	4	Fog...	3-4	N. W.	.....	Cloudy.
Port Dover, Canada	29.91	36	90	S. W.	3	0	3-4	S. E.	.03	Fair.
Port Stanley, Canada	29.92	35	92	Calm.	0	4-4	.....	.....	.....	Cloudy.
Portland, Me	30.05	36	90	N. E.	8	2-4	2-4	S.	.....	Cloudy.
*Portland, Oreg	30.08	40	82	S. E.	4	4-4	.....	.....	.45	Light rain.
Punta Rassa, Fla	30.09	67	74	N.	11	1-4	2-4	W.	.....	Fair.
Quebec, Canada	30.16	40	100	E.	12	1-4	1-4	S.	.....	Fair.
Rochester, N. Y	29.91	41	78	N.	6	4-4	.....	.....	.....	Cloudy.
*San Diego, Cal	30.09	54	79	S. W.	4	4-4	.....	.....	.....	Cloudy.
San Francisco, Cal	30.20	47	77	S. E.	2	Hazy..	Hazy..	.....	.....	Clear.
*Santa Fé, N. Mex	29.80	48	43	Calm.	0	0	0	.....	.....	Clear.
Saugeen, Canada	29.93	36	90	N. E.	3	1-4	2-4	N. E.	.....	Clearing.
Savannah, Ga	30.03	57	48	N. W.	10	Smoky	0	.....	.....	Clear.
Shreveport, La	30.24	54	67	E.	2	0	0	.....	.....	Clear.
Saint Louis, Mo	30.23	37	80	N. W.	8	Smoky	Hazy..	.....	.....	Fair.
Saint Paul, Minn	30.23	33	70	Calm.	0	0	0	.....	.....	Clear.
Toledo, Ohio	29.91	39	81	W.	5	4-4	.....	.....	.02	Cloudy.
Toronto, Canada	29.91	38	89	Calm.	0	2-4	2-4	E.	.....	Cloudy.
*Vicksburg, Miss	30.28	53	53	Calm.	0	0	0	.....	.....	Clear.
Virginia City, Mont	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Washington, D. C	29.79	42	83	N. E.	8	4-4	.....	.....	.53	Light rain.
Wilmington, N. C	29.92	54	55	N. W.	Fresh	0	0	.....	.....	Clear.
Yankton, D. T	30.08	36	79	S.	25	1-4	1-4	S.	.....	Fair.

WAR DEPARTMENT WEATHER MAP.

SIGNAL SERVICE, U.S. ARMY.

Division of Telegrams and Reports for the Benefit of Commerce and Agriculture.

Washington, Saturday, April 12, 1873.—7.35 A. M.

All Observations made at the same moment of actual (not local) time.

WASHINGTON, D. C.,
SATURDAY, *April* 12, 1873—7.35 *a. m.*

SYNOPSIS.

The low barometer, that was Friday morning in the Ohio Valley, has moved northeastward over the Lower Lakes into Canada. A branch storm-centre developed during Friday morning in North Carolina, and is now apparently east of New Jersey. The pressure has risen throughout the Southern States and Mississippi Valley, and is highest in Missouri; it has fallen rapidly in Dakota, with increasing southerly winds. Northeasterly winds, increasing to gales, with threatening weather and rain, are reported from the New England coast, and brisk northeast winds backing to northwest, with light rain, from the Middle Atlantic States; northwest winds, with clear weather, prevail in the South Atlantic and Eastern Gulf States; fresh northwest winds, with partly cloudy and clearing weather, are reported from the Ohio Valley; cloudy weather and light winds from the Lower Lakes.

PROBABILITIES.

The storm-centre off the Middle Atlantic coast probably move northeastward over Southern New England and Massachusetts Bay. A storm-centre develop in the Missouri Valley. For New England, northeast winds increasing to brisk, with cloud and rain. For the Lower Lakes, northeast and northwest winds and cloudy and threatening weather. For the South Atlantic States, continued northwest winds and partly cloudy weather. For the Western Gulf States, diminishing northerly winds, followed Saturday evening by east and south winds. For the Ohio Valley, diminishing winds, rising barometer, and generally clear weather. For the Upper Lakes, Missouri Valley, and the Northwest, falling barometer, rising temperature, and southerly winds, followed Saturday evening by threatening weather in Minnesota, preceding a storm-centre in the extreme Northwest.

Cautionary signals continue at Wilmington and Norfolk, and are ordered for Boston, Portland, Me., and Eastport.

FACTS—4.35 P. M., (*following the above "Probabilities."*)

WIND AND WEATHER.

(1.) *Clear.*—At Keokuk and San Diego, wind W., light; Indianola, wind E., light; Chicago, Saint Louis, and Toledo, wind N., gentle; Memphis and Vicksburg, wind NW., gentle; Shreveport, wind E., gentle; Augusta, Montgomery, and New Orleans, wind NW., fresh; Duluth, wind NE., fresh; La Crosse and Yankton, wind S., fresh; Mobile and Saugeen, wind N., fresh; Grand Haven, Jacksonville, and Savannah, wind NW., brisk; San Francisco, wind W., brisk; Saint Paul, wind SE., brisk.

(2.) *Fair.*—At Marquette and Toronto, calm; Cairo, wind NE., light; Corinne and Davenport, wind SW., light; Buffalo, wind SW., gentle; Denver, wind S., gentle; Galveston, wind SE., gentle; Alpena, Lake City, and Nashville, wind NW., fresh; Cheyenne, wind S., fresh; Dover, Kingston, and Milwaukee, wind NE., fresh; Key West and Rochester, wind N., fresh; Lynchburg, wind W., fresh; Omaha, wind SE., fresh; Santa Fé, wind SW., fresh; Charleston, wind NW., brisk; Pembina, wind SE., brisk; Breckenridge, wind SE., high.

(3.) *Cloudy.*—At Burlington and Montreal, wind NE., gentle; Oswego, wind SE., gentle; Portland, Oreg., and Stanley, wind NW., gentle; Cleveland, wind W., fresh; Cincinnati, Indianapolis, Knoxville, and Pittsburgh, wind NW., fresh; Detroit, wind N., fresh; Eastport, Portland, Me., and Quebec, wind NE., brisk; Louisville, wind NW., brisk.

(4.) *Rainy.*—At Baltimore and Norfolk, wind NW., fresh; Cape May, Philadelphia, and Washington, wind NW., brisk; New York, wind N., brisk; New London, wind N., gale.

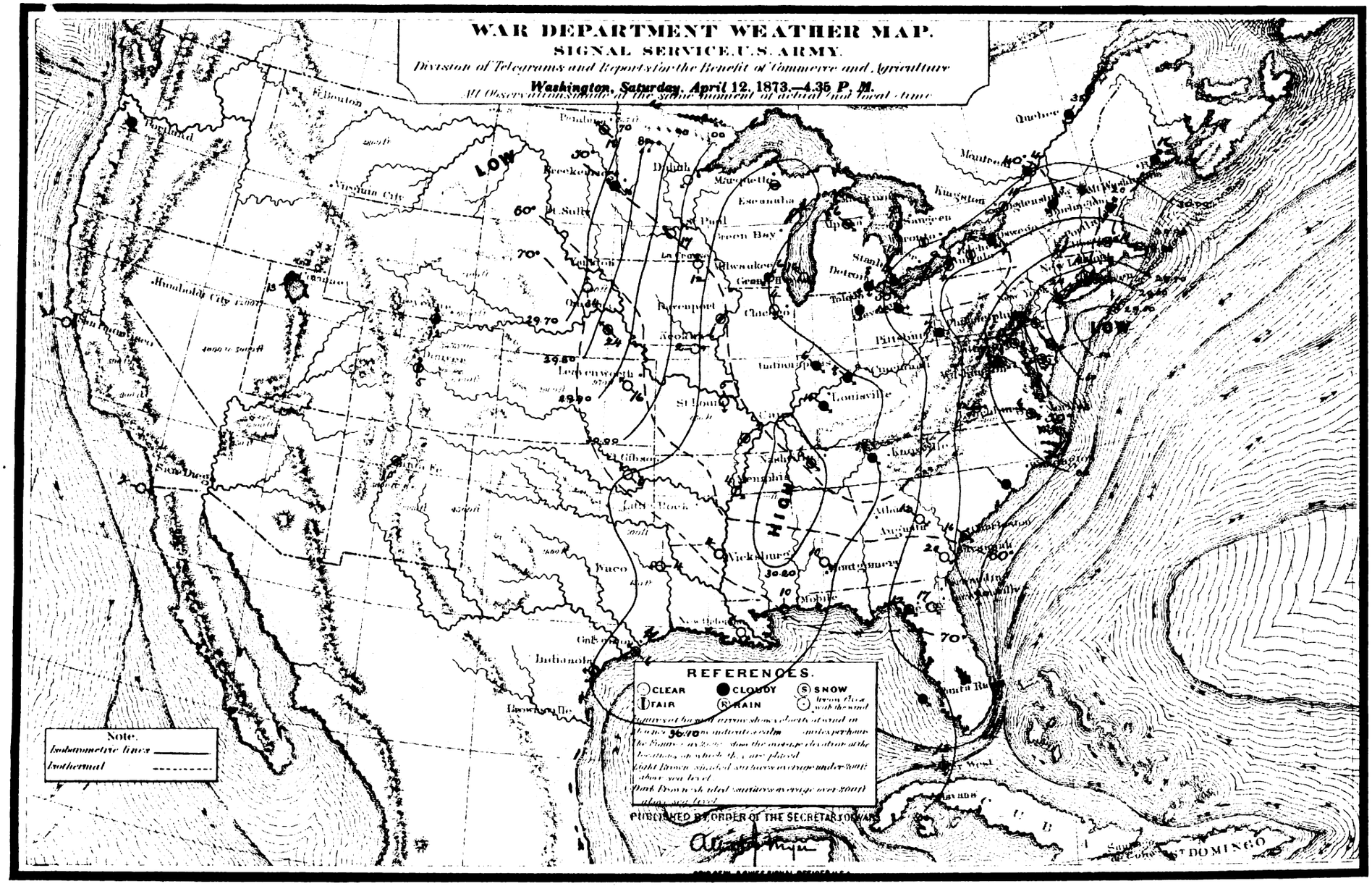
(5.) *Snowy.*—At Boston, wind E., fresh.

GENERAL REMARKS AS TO VERIFICATIONS.

The above "Probabilities" were generally verified, except "for New England, winds increasing to brisk," partly verified; "for the Lower Lakes, threatening weather," not verified.

METEOROLOGICAL RECORD, APRIL 12, 1873—4.35 P. M.

Place of observation.	Barometer.	Thermometer.	Relative humidity, per cent.	Wind.		Clouds.			Rain-fall in last 8 hours.	State of the weather.
				Direction.	Velocity.	Amount of lower.	Amount of upper.	Direction of upper.		
Alpena, Mich	30.07	51	53	N. W.	6	0	1-4	N. W.	.....	Fair.
Augusta, Ga	29.98	63	15	N. W.	12	0	0	.....	.....	Clear.
Baltimore, Md	29.76	47	81	N. W.	12	4-4	.....	.....	.15	Light rain.
Boston, Mass	29.70	35	95	E.	11	4-4	.....	.....	.....	Heavy snow.
Breckenridge, Minn	29.73	53	73	S. E.	30	0	2-4	W.	.....	Fair.
Buffalo, N. Y	29.88	41	82	S. W.	4	Smoky	1-4	S. W.	.....	Fair.
Burlington, Vt	29.94	43	62	N. E.	3	4-4	.....	.....	.....	Threatening.
Cairo, Ill	30.16	60	46	N. E.	2	Hazy..	Hazy..	.....	.....	Fair.
Cape May, N. J	29.66	43	75	N. W.	30	4-4	.....	.....	.17	Light rain.
Charleston, S. C	29.89	64	21	N. W.	16	Smoky	2-4	N. W.	.....	Fair.
Cheyenne, Wyo	29.74	65	2	S.	12	0	2-4	W.	.....	Fair.
Chicago, Ill	30.17	41	49	N.	4	0	1-4	.....	.....	Clear.
Cincinnati, Ohio	30.13	45	61	N. W.	8	4-4	.....	.....	.....	Cloudy.
Cleveland, Ohio	29.99	40	82	W.	12	4-4	.....	.....	.....	Cloudy.
Corinne, Utah	29.81	58	22	S. W.	13	1-4	2-4	S. W.	.....	Fair.
Davenport, Iowa	30.13	54	42	S. W.	1	Hazy..	1-4	.....	.....	Fair.
Denver, Colo	29.79	68	3	S.	5	0	1-4	W.	.....	Fair.
Detroit, Mich	30.02	42	83	N.	8	4-4	.....	.....	.....	Cloudy.
Duluth, Minn	30.02	43	51	N. E.	8	0	1-4	.....	.....	Clear.
Eastport, Me	30.03	40	65	N. E.	18	4-4	.....	.....	.....	Cloudy.
*Escanaba, Mich	30.08	41	65	S.	12	0	0	.....	.....	Clear.
*Fort Benton, Mont	29.76	53	19	N. W.	12	0	3-4	N. W.	.....	Fair.
Fort Garry, Manitoba	29.63	50	55	S.	22	Hazy..	Hazy..	.....	.....	Fair.
Fort Gibson, Ind. T	30.11	72	34	S. E.	6	0	0	.....	.....	Clear.
*Fort Sully, Dak	29.50	76	8	S.	12	0	3-4	S.S.W.	.....	Fair.
Galveston, Tex	30.15	72	52	S. E.	6	0	1-4	W.	.....	Fair.
Grand Haven, Mich	30.06	38	72	N. W.	16	0	0	.....	.....	Clear.
Indianapolis, Ind	30.11	47	65	N. W.	6	4-4	.....	.....	.....	Cloudy.
Indianola, Tex	30.13	69	72	E.	14	0	0	.....	.....	Clear.
Jacksonville, Fla	29.97	71	22	N. W.	17	0	Hazy..	.....	.....	Clear.
Keokuk, Iowa	30.10	56	45	W.	2	0	0	.....	.....	Clear.
Key West, Fla	30.03	75	63	N.	13	0	2-4	S.	.....	Fair.
Kingston, Canada	29.99	51	59	N. E.	11	0	2-4	.....	.....	Fair.
Knoxville, Tenn	30.13	44	51	N. W.	12	4-4	.....	.....	.....	Cloudy.
La Crosse, Wis	30.11	59	28	S.	12	0	0	.....	.....	Clear.
Lake City, Fla	29.98	71	52	N. W.	12	0	Hazy..	.....	.....	Fair.
Leavenworth, Kans	29.97	61	40	S. E.	16	0	0	.....	.....	Clear.
Louisville, Ky	30.11	48	56	N. W.	15	2-4	2-4	N. W.	.....	Cloudy.
Lynchburg, Va	29.81	56	51	W.	12	0	2-4	W.	.....	Fair.
Marquette, Mich	30.12	41	55	Calm.	0	0	1-4	.....	.....	Fair.
Memphis, Tenn	30.19	60	24	N. W.	4	0	Hazy..	.....	.....	Clear.
Milwaukee, Wis	30.09	42	58	N. E.	6	Hazy..	1-4	.....	.....	Fair.
Mobile, Ala	30.15	71	29	N.	10	0	0	.....	.....	Clear.
Montgomery, Ala	30.10	66	15	N. W.	10	0	0	.....	.....	Clear.
Montreal, Canada	29.96	43	83	N. E.	4	0	4-4	N. E.	.....	Cloudy.
*Mount Washington, N. H	29.80	18	84	N. E.	70	4-4	.....	.....	.....	Cloudy.
Nashville, Tenn	30.23	58	37	N. W.	8	0	2-4	N. W.	.....	Fair.
New London, Conn	29.56	36	100	N.	40	4-4	.....	.....	.50	Heavy rain.
New Orleans, La	30.12	69	23	N. W.	8	0	0	.....	.....	Clear.
New York, N. Y	29.52	39	82	N.	24	4-4	.....	.....	.21	Light rain.
Norfolk, Va	29.79	56	63	N. W.	6	2-4	2-4	.....	.....	Light rain.
Omaha, Nebr	29.88	65	35	S. E.	24	0	1-4	S.	.....	Fair.
Oswego, N. Y	29.90	50	53	S. E.	4	4-4	.....	.....	.....	Cloudy.
Pembina, Dak	29.68	49	70	S. E.	18	0	2-4	.....	.....	Fair.
Philadelphia, Pa	29.66	38	86	N. W.	28	4-4	.....	.....	.93	Light snow.
Pittsburgh, Pa	29.95	45	61	N. W.	7	4-4	.....	.....	.....	Cloudy.
Port Dover, Canada	29.95	52	47	N. E.	9	0	2-4	S. W.	.....	Fair.
Port Stanley, Canada	29.98	47	75	N. W.	4	2-4	2-4	N. E.	.....	Cloudy.
Portland, Me	29.85	41	73	N. E.	20	4-4	.....	.....	.....	Cloudy.
Portland, Oreg	30.23	48	70	N. W.	5	4-4	.....	.....	.04	Cloudy.
Punta Rassa, Fla	30.02	73	46	N. W.	10	4-4	.....	.....	.....	Cloudy.
Quebec, Canada	30.08	38	100	N. E.	38	4-4	.....	.....	.....	Cloudy.
Rochester, N. Y	29.90	50	44	N.	12	1-4	2-4	E.	.....	Fair.
San Diego, Cal	30.07	61	61	W.	2	0	0	.....	.....	Clear.
San Francisco, Cal	30.25	57	57	W.	20	0	0	.....	.....	Clear.
Santa Fé, N. Mex	29.68	62	5	S. W.	10	1-4	2-4	S. W.	.....	Fair.
Saugeen, Canada	30.01	43	67	N.	9	0	0	.....	.....	Clear.
Savannah, Ga	29.95	65	20	N. W.	20	0	0	.....	.....	Clear.
Shreveport, La	30.10	75	19	E.	4	Hazy..	0	.....	.....	Clear.
Saint Louis, Mo	30.15	55	33	N.	5	0	Hazy..	.....	.....	Clear.
Saint Paul, Minn	30.00	54	55	S. E.	17	0	0	.....	.....	Clear.
Toledo, Ohio	30.05	43	83	N.	3	4-4	.....	.....	.....	Cloudy.
Toronto, Canada	29.95	47	59	Calm.	0	0	1-4	N. E.	.....	Fair.
Vicksburg, Miss	30.17	72	33	N. W.	4	0	0	.....	.....	Clear.
Virginia City, Mont	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Washington, D. C	29.75	47	70	N. W.	16	4-4	.....	.....	.16	Light rain.
Wilmington, N. C	29.85	58	42	N. W.	.....	2-4	2-4	W.	.....	Cloudy.
Yankton, Dak	29.70	73	51	S.	34	Hazy..	0	.....	.....	Clear.


WAR DEPARTMENT WEATHER MAP.
SIGNAL SERVICE, U.S. ARMY.
Division of Telegrams and Reports for the Benefit of Commerce and Agriculture
Washington, Saturday, April 12, 1873.—4.35 P. M.
All Observations made at the same moment of actual mean local time
LOW
HIGH
REFERENCES.
CLEAR
CLOUDY
SNOW
FAIR
RAIN
Note.
Isobarometric lines
Isothermal
PUBLISHED BY ORDER OF THE SECRETARY OF WAR

WASHINGTON, D. C.,
SATURDAY, *April* 12, 1873—4.35 *p. m.*

SYNOPSIS.

The barometer has continued to fall since Friday afternoon in the Northwest, and especially in Kansas and Nebraska. Southerly winds and partly cloudy weather prevail from Texas to Manitoba and westward to the Rocky Mountains, with temperatures much higher than on Friday. Brisk and high winds are reported from Nebraska and Dakota. The area of highest barometer has moved southeastward into Tennessee. The pressure has risen slightly in the South Atlantic States, as also over Lakes Michigan and Erie. The storm-centre that was over the Lower Lakes has apparently moved northward beyond our stations. A second storm, probably not the same that was in North Carolina, is now some distance east of New Jersey, having moved very slowly northward during Saturday. Northeasterly gales, with rain, have prevailed during the day on Long Island Sound, and high northwest winds over New Jersey. Brisk northeasterly winds, with light rain, prevailed over Massachusetts Bay and Northern New England. The rivers have risen at Vicksburg, Memphis, Cincinnati, and fallen slightly at Nashville.

PROBABILITIES.

The storm-centre over Long Island move during Saturday night eastward. That in the extreme Northwest move southeast over Dakota. For Eastern New England, on Sunday, easterly winds, backing to northwest, with cloudy and clearing weather. For New York and the Middle States, fresh and brisk northwest winds, with cloudy and clearing weather, rising barometer, and falling temperature. For the South Atlantic States, northwesterly winds, partly cloudy and clear weather. For the Gulf States, northeast and southeast winds, with rising temperature and increasing cloudiness. For the Missouri Valley and Upper Lakes, south and east winds, increasing to brisk and possibly high, and backing to northeast on the Upper Lakes, preceding the storm-centre in the Missouri Valley. For the Lower Lakes, generally light and fresh winds, partly cloudy and clear weather.

Cautionary signals continue at Boston, Portland, Me., and Eastport.

FACTS—11 P. M., (*following the above "Probabilities."*)

WIND AND WEATHER.

(1.) *Clear.*—At Cairo, Chicago, Duluth, Montgomery, Marquette, Nashville, New Orleans, and Saint Paul, calm; Indianapolis and Mobile, wind N., light; Milwaukee, wind SW., light; Memphis, wind E., light; Pembina, wind SE., light; Augusta, Cleveland, and Detroit, wind NW., gentle; Escanaba, wind W., gentle; Galveston and Saint Louis, wind SE., gentle; Savannah, wind N., gentle; Charleston and Dover, wind NW., fresh; Davenport, Keokuk, and La Crosse, wind SE., fresh; Santa Fé, wind E., fresh; San Francisco, wind W., brisk.

(2.) *Fair.*—At Stanley, wind NW., light; Buffalo, wind SW., gentle; Denver, wind S., gentle; Oswego, wind N., gentle; Shreveport, wind E., gentle; Baltimore and Lynchburg, wind NW., fresh; Kingston, wind N., fresh; Leavenworth, wind S., fresh; Breckenridge and Omaha, wind SE., brisk; New York and Norfolk, wind N., brisk.

(3.) *Cloudy.*—At Cheyenne and Louisville, wind NW., light; San Diego, wind N., light; Montreal, wind NE., gentle; Portland, Oreg., wind W., gentle; Toledo, wind N., gentle; Cincinnati and Toronto, wind NW., fresh; Pittsburgh and Rochester, wind N., fresh; Corinne and Washington, wind NW., brisk; Philadelphia, wind N., brisk; Yankton, wind S., high.

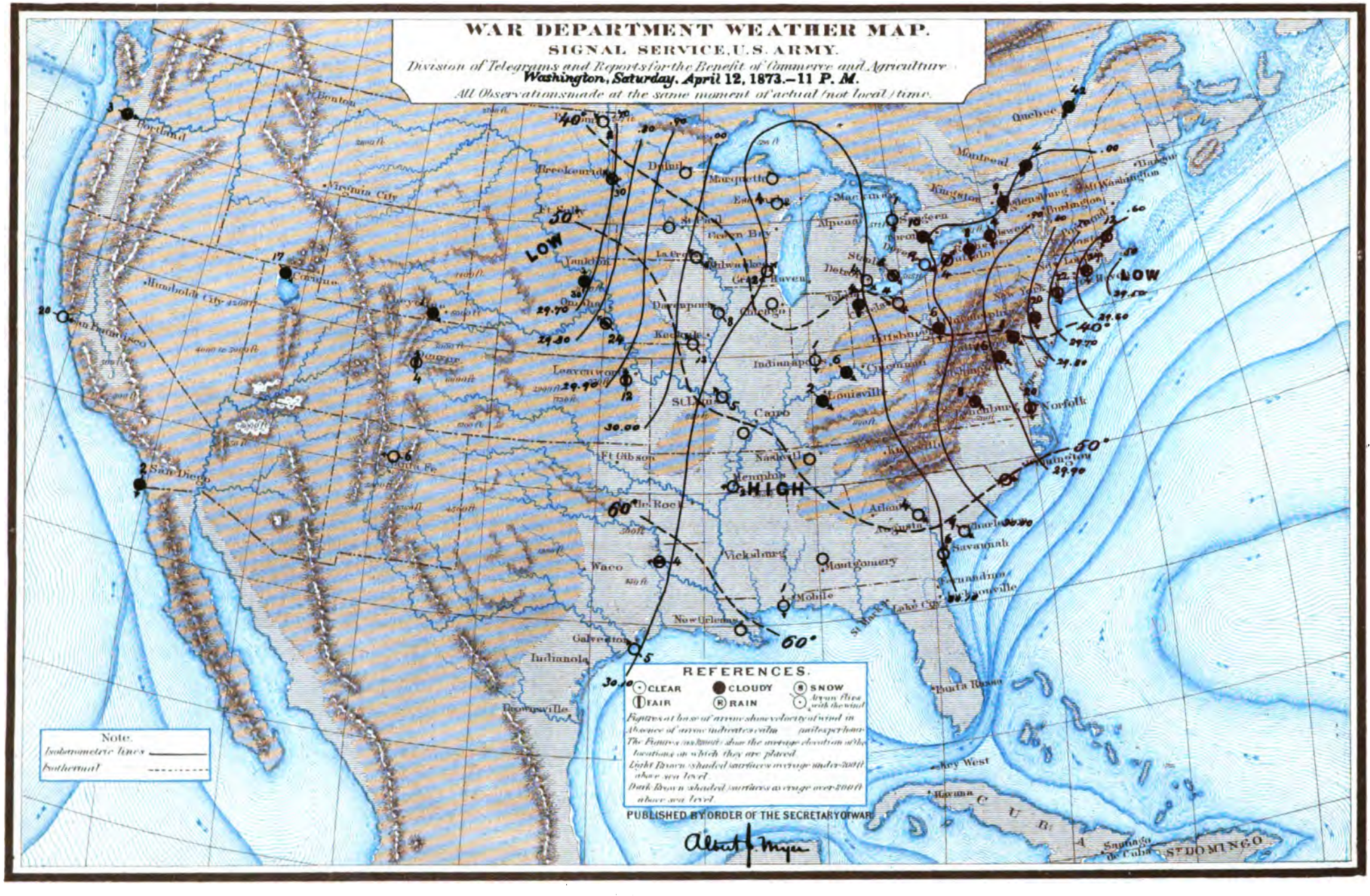
(4.) *Rainy.*—At Boston, wind NE., fresh; New London, wind N., brisk.

GENERAL REMARKS AS TO VERIFICATIONS.

The above "Probabilities" were generally verified, except "for the Gulf States, rising temperature," partly verified; "for Eastern New England, on Sunday, winds backing to northwest, with clearing weather," not verified.

METEOROLOGICAL RECORD, APRIL 12, 1873—11 P. M.

Place of observation.	Barometer.	Thermometer.	Relative humidity, per cent.	Wind.		Clouds.			Rain-fall in last 8 hours.	State of the weather.
				Direction.	Velocity.	Amount of lower.	Amount of upper.	Direction of upper.		
Alpena, Mich	30.11	36	80	Calm.	0	0	0	.....	.....	Clear.
Augusta, Ga	30.14	49	44	N. W.	4	0	0	.....	.....	Clear.
Baltimore, Md	29.94	44	64	N. W.	8	4-4	.....	.....	.10	Clearing.
Boston, Mass	29.56	36	100	N. E.	12	4-4	.....	.....	.51	Sleet.
Breckenridge, Minn	29.66	46	77	S. E.	30	Hazy..	Hazy..	.....	.....	Fair.
Buffalo, N. Y	29.94	37	81	S. W.	4	0	3-4	S. W.	.....	Fair.
*Burlington, Vt	29.82	42	58	N.	8	4-4	.....	.....	.25	Threatening.
Cairo, Ill	30.15	51	67	Calm.	0	Hazy..	0	.....	.....	Clear.
*Cape May, N. J	29.78	40	83	N. W.	24	4-4	.....	.....	.02	Cloudy.
Charleston, S. C	30.05	52	47	N. W.	9	0	0	.....	.....	Clear.
Cheyenne, Wyo	29.68	46	33	N. W.	1	2-4	2-4	.....	.....	Cloudy.
Chicago, Ill	30.17	39	64	Calm.	0	0	0	.....	.....	Clear.
Cincinnati, Ohio	30.17	44	75	N. W.	6	2-4	2-4	.....	.....	Cloudy.
Cleveland, Ohio	30.06	40	82	N. W.	4	0	0	.....	.....	Clear.
Corinne, Utah	29.89	38	72	N. W.	17	4-4	.....	.....	.....	Cloudy.
Davenport, Iowa	30.10	47	62	S. E.	8	0	0	.....	.....	Clear.
Denver, Colo	29.71	48	36	S.	4	0	2-4	.....	.....	Fair.
Detroit, Mich	30.08	40	82	N. W.	4	0	0	.....	.....	Clear.
Duluth, Minn	29.98	34	80	Calm.	0	0	Hazy..	.....	.....	Clear.
*Eastport, Me	29.97	35	100	N. E.	42	4-4	.....	.....	.....	Light rain.
Escanaba, Mich	30.13	30	67	W.	4	0	0	.....	.07	Clear.
*Fort Benton, Mont	29.89	38	63	N. E.	18	0	4-4	N. E.	.....	Fair.
Fort Garry, Manitoba	29.62	41	77	S.	11	1-4	Hazy..	.....	.....	Fair.
*Fort Gibson, Ind. T	30.07	63	42	E.	12	1-4	2-4	W.	.....	Fair.
*Fort Sully, Dak	29.52	63	17	N. W.	4	2-4	1-4	.....	.....	Threatening.
Galveston, Tex	30.10	67	64	S. E.	5	0	0	.....	.....	Clear.
*Grand Haven, Mich	30.11	22	69	Calm.	0	0	0	.....	.....	Clear.
Indianapolis, Ind	30.16	43	83	N.	1	Hazy..	0	.....	.....	Clear.
*Indianola, Tex	30.10	68	65	S. E.	10	4-4	.....	.....	.....	Cloudy.
*Jacksonville, Fla	30.08	58	46	N. W.	4	0	0	.....	.....	Clear.
Keokuk, Iowa	30.06	47	62	S. E.	13	0	0	.....	.....	Clear.
*Key West, Fla	30.03	72	67	N. W.	26	0	Hazy..	.....	.....	Fair.
Kingston, Canada	30.02	42	70	N.	9	0	2-4	N. E.	.....	Fair.
*Knoxville, Tenn	30.16	44	58	N. E.	3	4-4	.....	.....	.....	Cloudy.
La Crosse, Wis	30.07	46	47	S. E.	6	0	0	.....	.....	Clear.
*Lake City, Fla	30.09	55	4	W.	0	Hazy..	.....	.....	.....	Fair.
Leavenworth, Kans	29.91	53	48	S.	12	0	1-4	N. W.	.....	Fair.
Louisville, Ky	30.15	41	62	N. W.	2	4-4	0	.....	.....	Cloudy.
Lynchburg, Va	29.95	46	62	N. W.	8	0	1-4	W.	.....	Fair.
Marquette, Mich	30.12	31	68	Calm.	0	0	0	.....	.....	Clear.
Memphis, Tenn	30.18	53	42	E.	2	0	0	.....	.....	Clear.
Milwaukee, Wis	30.08	38	63	S. W.	2	0	0	.....	.....	Clear.
Mobile, Ala	30.18	56	68	N.	1	0	0	.....	.....	Clear.
Montgomery, Ala	30.17	53	48	Calm.	0	0	0	.....	.....	Clear.
Montreal, Canada	29.95	35	79	N. E.	4	0	4-4	N. E.	.....	Cloudy.
*Mount Washington, N H	29.59	16	83	E.	96	4-4	.....	.....	.....	Heavy snow.
Nashville, Tenn	30.16	49	57	Calm.	0	0	0	.....	.....	Clear.
New London, Conn	29.51	34	100	N.	24	4-4	.....	.....	.15	Light rain.
New Orleans, La	30.14	61	60	Calm.	0	0	0	.....	.....	Clear.
New York, N. Y	29.66	39	73	N.	22	4-4	.....	.....	.08	Clearing.
Norfolk, Va	29.87	49	56	N.	20	0	2-4	W.	.09	Fair.
Omaha, Nebr	29.83	55	62	S. E.	24	2-4	1-4	S.	.....	Fair.
Oswego, N. Y	29.93	39	77	N.	4	0	3-4	.....	.....	Fair.
Pembina, Dak	29.66	39	90	S. E.	2	0	0	.....	.....	Clear.
Philadelphia, Pa	29.75	36	85	N.	20	4-4	.....	.....	.17	Cloudy.
Pittsburgh, Pa	30.04	40	82	N.	6	4-4	.....	.....	.....	Cloudy.
Port Dover, Canada	30.12	41	82	N. W.	9	0	0	.....	.....	Clear.
Port Stanley, Canada	30.16	35	94	N. W.	8	2-4	0	.....	.....	Fair.
*Portland, Me	29.73	33	100	N. E.	20	4-4	.....	.....	.42	Light snow.
Portland, Oreg	30.35	45	75	W.	3	4-4	.....	.....	.04	Cloudy.
*Punta Rassa, Fla	30.09	67	50	N.	17	0	1-4	W.	.....	Fair.
Quebec, Canada	30.10	34	100	N. E.	42	4-4	.....	.....	.....	Cloudy.
Rochester, N. Y	29.97	40	73	N.	8	4-4	.....	.....	.....	Cloudy.
San Diego, Cal	30.04	56	81	N.	2	4-4	.....	.....	.....	Cloudy.
San Francisco, Cal	30.22	50	58	W.	20	0	0	.....	.....	Clear.
Santa Fé, N. Mex	29.65	49	12	E.	6	0	0	.....	.....	Clear.
Saugeen, Canada	30.09	35	80	N.	1	0	0	.....	.....	Clear.
Savannah, Ga	30.10	55	38	N.	6	0	0	.....	.....	Clear.
Shreveport, La	30.09	63	47	E.	4	0	1-4	W.	.....	Fair.
Saint Louis, Mo	30.13	48	59	S. E.	5	0	0	.....	.....	Clear.
Saint Paul, Minn	29.97	46	61	Calm.	0	0	0	.....	.....	Clear.
Toledo, Ohio	30.11	43	75	N.	4	4-4	.....	.....	.....	Cloudy.
Toronto, Canada	29.98	42	74	N. W.	10	0	4-4	N. E.	.....	Cloudy.
*Vicksburg, Miss	30.18	58	49	Calm.	0	0	0	.....	.....	Clear.
Virginia City, Mont	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Washington, D. C	29.87	42	74	N. W.	16	4-4	.....	.....	.08	Cloudy.
Wilmington, N. C	29.96	50	58	W.	.....	0	0	.....	.....	Clear.
Yankton, Dak	29.63	57	75	S.	30	2-4	Hazy..	.....	.....	Cloudy.


WAR DEPARTMENT WEATHER MAP.
SIGNAL SERVICE, U.S. ARMY.
Division of Telegrams and Reports for the Benefit of Commerce and Agriculture
Washington, Saturday, April 12, 1873.—11 P. M.
All Observations made at the same moment of actual (not local) time.
LOW
HIGH
LOW
REFERENCES.
CLEAR
CLOUDY
SNOW
FAIR
RAIN
Figures at base of arrows show velocity of wind in miles per hour.
Absence of arrow indicates calm.
The Figures on Isotherms show the average elevation of the locations on which they are placed.
Light Brown shaded surfaces average under 500 ft above sea level.
Dark Brown shaded surfaces average over 500 ft above sea level.
Note.
Isobarometric lines
Isothermal
PUBLISHED BY ORDER OF THE SECRETARY OF WAR.
Portland
Boston
Virginia City
Humboldt City
San Francisco
San Diego
Corinne
Cheyenne
Omaha
Breckenridge
Duluth
Marquette
Green Bay
Milwaukee
Grand Haven
Chicago
Dubuque
Leavenworth
St Louis
Cairo
Indianapolis
Louisville
Cincinnati
Pittsburg
Washington
Norfolk
Quebec
Montreal
Kingston
Albany
Burlington
Boston
New York
Philadelphia
Fort Gibson
Nashville
Memphis
Little Rock
Vicksburg
Montgomery
Mobile
New Orleans
Galveston
Indianola
Brownsville
Waco
Atlanta
Augusta
Charleston
Savannah
Jacksonville
Key West
Havana
Santiago de Cuba
St DOMINGO
CUBA

WASHINGTON, D. C.,
SATURDAY, *April* 12, 1873—11 *p. m.*

SYNOPSIS.

The low barometer, that was Friday night over the Lower Lakes, has moved northeastward beyond our stations, and a second storm-centre has, during Saturday, moved northward into Long Island Sound and eastward toward Cape Cod. The area of highest barometer has moved southeastward into Tennessee and Eastern Gulf States, and the falling barometer in the Northwest precedes a storm-centre now apparently in Dakota. Northeasterly gales, backing to north, have prevailed on Long Island Sound, and brisk northeast winds over Massachusetts Bay. Brisk north and northwest winds, with light rain or cloudy weather, have generally prevailed in the Middle Atlantic States, and northwest winds, with partly cloudy or clear weather, are now reported from the Ohio Valley, Lake Erie, and the South Atlantic States. Light easterly winds and calms, with clear weather, now prevail in the Gulf States. Fresh to brisk southeasterly winds in the Missouri Valley and Northwest as far as heard from.

PROBABILITIES.

The storm of the East Atlantic coast move eastward during Sunday. For New England, fresh to brisk northeast winds backing to northwest, with cloud and rain. For the Middle States, north and northwest winds, rising barometer, partly cloudy and clearing weather. For South Atlantic States, rising barometer and clear weather, with diminishing northwest winds and cool weather. For Western Gulf States and Lower Missouri Valley, falling barometer, southerly winds, and increasing cloudiness. For Ohio Valley and Upper Lakes, falling barometer, rising temperature, southerly winds, and partly cloudy weather. For Lower Lakes, light winds, partly cloudy and clear weather.

Cautionary signals continue at Boston, Portland, and Eastport.

Special for Washington, D. C.—Rising barometer, north and northwest winds, cloudy and clearing weather.

FACTS—7.35 A. M., (*following the above "Probabilities."*)

WIND AND WEATHER.

(1.) *Clear.*—At Augusta, Mobile, Milwaukee, and Saugeen, calm; Louisville, wind E., light; Cincinnati, wind NW., gentle; Knoxville and Lake City, wind NE., gentle; Memphis, wind E., gentle; Savannah, wind N., gentle; Toledo, wind W., gentle; Chicago and Duluth, wind NE., fresh; Cleveland, wind W., fresh; Dover, Jacksonville, Lynchburg, and Stanley, wind NW., fresh; Charleston, Punta Rassa, and San Francisco, wind N., fresh; New Orleans, wind E., fresh.

(2.) *Fair.*—At Montgomery, wind N., light; Nashville, wind NE., light; Indianapolis, wind E., gentle; Escanaba, wind N., gentle; Marquette, wind S., gentle; Baltimore, Philadelphia, and Toronto, wind NW., fresh; Detroit, wind W., fresh; Davenport, Keokuk, and Saint Louis, wind SE., fresh; New York and Washington, wind NW., brisk; Omaha, wind SE., brisk.

(3.) *Cloudy.*—At Saint Paul, calm; Pembina, wind SE., light; Kingston and Pittsburgh, wind N., gentle; Buffalo, wind W., fresh; Galveston, wind SE., fresh; Oswego, wind N., fresh; Corinne and Rochester, wind NW., fresh; Norfolk and New London, wind NW., brisk; Breckenridge, wind SE., high.

(4.) *Rainy.*—At La Crosse, wind S., fresh; Montreal, wind NE., fresh.

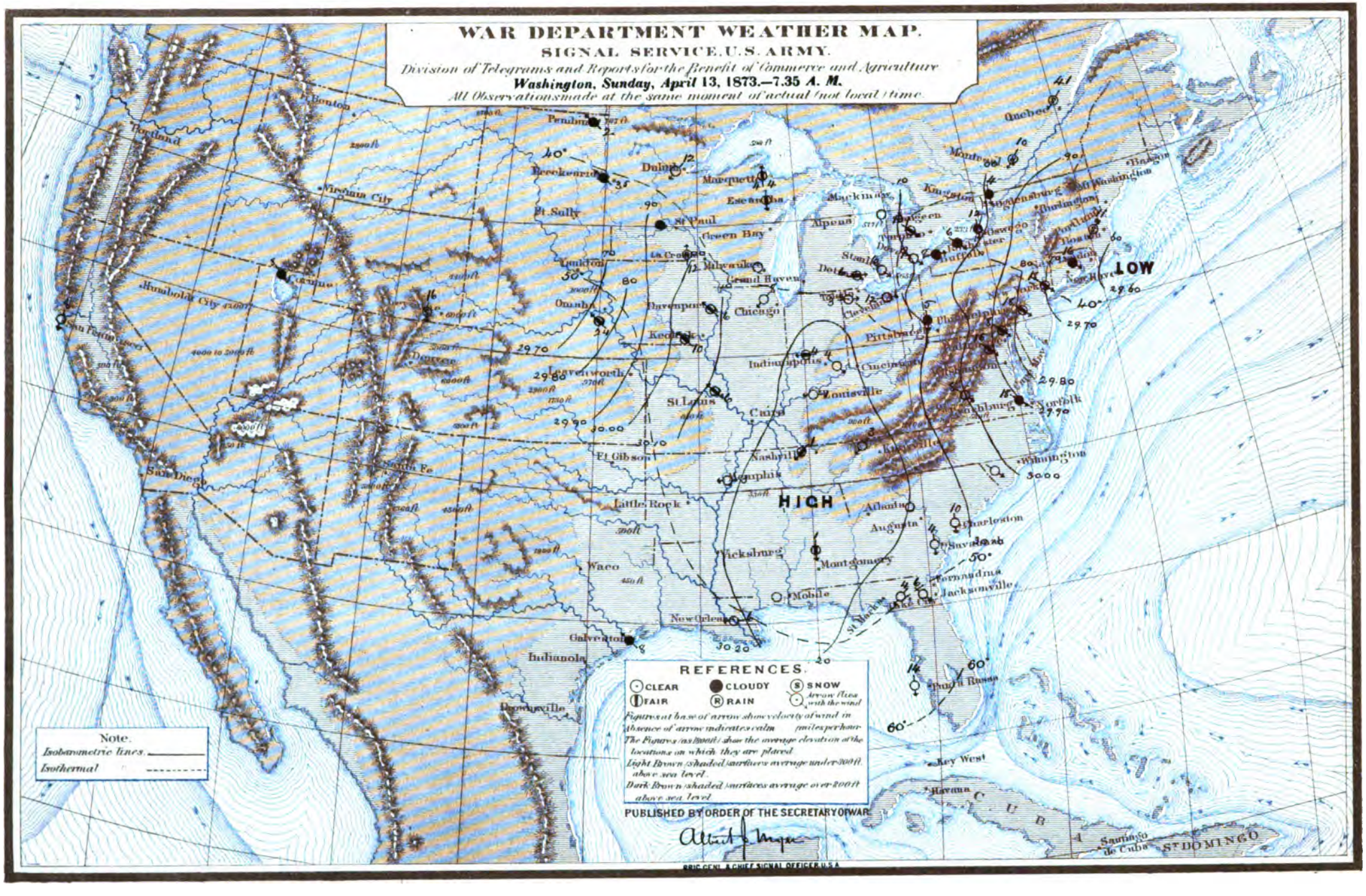
(5.) *Snowy.*—At Boston, wind NE., brisk; Quebec, wind NE., gale.

GENERAL REMARKS AS TO VERIFICATIONS.

The above "Probabilities" were generally verified, except "for New England, winds backing to northwest," partly verified.

METEOROLOGICAL RECORD, APRIL 13, 1873—7.35 A. M.

Place of observation.	Barometer.	Thermometer.	Relative humidity, per cent.	Wind.		Clouds.			Rain-fall in last 8 hours.	State of the weather.
				Direction.	Velocity.	Amount of lower.	Amount of upper.	Direction of upper.		
*Alpena, Mich	30.16	35	80	N. W.	3	1-4	0			Fair.
Augusta, Ga	30.20	45	39	Calm.	0	0	0			Clear.
Baltimore, Md	29.89	47	59	N. W.	8	1-4	2-4	N.	.01	Fair.
Boston, Mass	29.61	35	95	N. E.	7	4-4			.22	Light snow.
Breckenridge, Minn	29.63	40	86	S. E.	35	3-4	Hazy			Cloudy.
Buffalo, N. Y	30.01	37	81	W.	8	4-4				Cloudy.
*Burlington, Vt	29.82	37	70	N.	6	4-4				Threatening.
Cairo, Ill	30.16	48	67	E.	4	Hazy	0			Clear.
*Cape May, N. J	29.79	46	69	N. W.	28	0	4-4	N. W.		Cloudy.
Charleston, S. C	30.13	49	50	N.	10	Smoky	0			Clear.
Cheyenne, Wyo	29.68	32	100	N.	16	4-4				Heavy snow.
Chicago, Ill	30.18	41	49	N. E.	8	Hazy	0			Clear.
Cincinnati, Ohio	30.25	44	68	N. W.	4	Smoky	0			Clear.
Cleveland, Ohio	30.14	39	91	W.	12	0	1-4	N. W.		Clear.
Corinne, Utah	30.03	31	59	N. W.	8	4-4	0			Cloudy.
Davenport, Iowa	30.08	44	75	S. E.	6	Hazy	2-4	W.		Fair.
*Denver, Colo	29.73	40	64	N.	2	0	4-4			Cloudy.
Detroit, Mich	30.18	38	90	W.	6	Smoky	Hazy			Fair.
Duluth, Minn	29.89	36	70	N. E.	12	0	0			Clear.
*Eastport, Me	29.81	31	100	N. E.	0	4-4			.14	Light rain.
Escanaba, Mich	30.17	26	75	N.	4	2-4	1-4			Fair.
*Fort Benton, Mont	30.29	34	79	N. W.	2	0	2-4	N. W.		Fair.
Fort Garry, Manitoba	29.57	36	85	S. E.	7	4-4				Cloudy.
*Fort Gibson, Ind. T	30.04	55	44	E.	13	Hazy	2-4	S. W.		Fair.
*Fort Sully, Dak	29.73	44	68	N. W.	14	3-4	1-4			Cloudy.
Galveston, Tex	30.03	67	60	S. E.	8	0	4-4	W.		Cloudy.
*Grand Haven, Mich	30.16	38	71	Calm.	0	0	0			Clear.
Indianapolis, Ind	30.21	45	75	E.	4	0	2-4			Fair.
*Indianola, Tex	30.01	69	80	S. E.	14	4-4				Cloudy.
Jacksonville, Fla	30.16	54	41	N. W.	6	0	0			Clear.
Keokuk, Iowa	30.01	49	57	S. E.	10	1-4	1-4			Fair.
*Key West, Fla	30.01	69	41	N.	18	0	0			Clear.
Kingston, Canada	30.04	41	83	N.	4	4-4				Cloudy.
Knoxville, Tenn	30.26	42	65	N. E.	3	0	0			Clear.
La Crosse, Wis	30.03	44	60	S.	12	4-4				Light rain.
Lake City, Fla	30.17	50	93	N. E.	4	0	0			Clear.
*Leavenworth, Kans	29.86	57	53	S.	10	4-4				Cloudy.
Louisville, Ky	30.20	46	62	E.	1	Smoky	0			Clear.
Lynchburg, Va	30.04	48	60	N. W.	8	0	0			Clear.
Marquette, Mich	30.10	38	63	S.	4	0	2-4	W.		Fair.
Memphis, Tenn	30.18	47	48	E.	3	Smoky	0			Clear.
Milwaukee, Wis	30.10	44	64	Calm.	0	Smoky	Hazy			Clear.
Mobile, Ala	30.22	49	77	Calm.	0	0	0			Clear.
Montgomery, Ala	30.21	47	69	N.	1	Smoky	0			Fair.
Montreal, Canada	29.90	37	80	N. E.	10	4-4			.11	Light rain.
*Mount Washington, N. H	29.69	15	82	N. E.	58	4-4			.33	Heavy snow.
Nashville, Tenn	30.27	44	76	N. E.	1	0	Hazy			Fair.
New London, Conn	29.64	37	90	N. W.	16	4-4			.15	Cloudy.
New Orleans, La	30.13	58	68	E.	6	0	Hazy			Clear.
New York, N. Y	29.73	41	66	N. W.	18	Smoky	2-4	W.		Fair.
Norfolk, Va	29.94	49	63	N. W.	18	0	4-4	N. W.	.03	Cloudy.
Omaha, Nebr	29.72	54	61	S. E.	24	1-4	1-4			Fair.
Oswego, N. Y	29.97	39	87	N.	12	4-4				Cloudy.
Pembina, Dak	29.63	37	85	S. E.	2	4-4				Cloudy.
Philadelphia, Pa	29.79	45	68	N. W.	18	1-4	1-4	N. W.		Fair.
Pittsburgh, Pa	30.11	40	73	N.	5	4-4				Cloudy.
Port Dover, Canada	30.12	40	73	N. W.	9	0	0			Clear.
Port Stanley, Canada	30.11	36	87	N. W.	6	0	0			Clear.
*Portland, Me	29.69	34	100	N. E.	20	4-4			.28	Heavy snow.
*Portland, Oreg	30.55	40	82	Calm.	0	4-4				Cloudy.
Punta Rassa, Fla	30.11	59	66	N. E.	14	Hazy	0			Clear.
Quebec, Canada	29.98	35	100	N. E.	41	4-4			.06	Light snow.
Rochester, N. Y	30.00	44	68	N. W.	6	4-4				Cloudy.
*San Diego, Cal	29.90	54	86	N. E.	1	4-4				Cloudy.
San Francisco, Cal	30.19	49	57	N.	8	0	0			Clear.
*Santa Fé, N. Mex	29.62	38	17	N. E.	6	0	0			Clear.
Saugeen, Canada	30.13	34	89	Calm.	0	0	0			Clear.
Savannah, Ga	30.27	48	64	N.	4	Hazy	0			Clear.
*Shreveport, La	30.07	56	57	E.	6	4-4				Cloudy.
Saint Louis, Mo	30.11	44	91	S. E.	6	Hazy	1-4			Fair.
Saint Paul, Minn	29.91	43	75	Calm.	0	4-4				Cloudy.
Toledo, Ohio	30.19	45	75	W.	3	Hazy	1-4	N. W.		Clear.
Toronto, Canada	30.06	44	70	N. W.	13	1-4	0			Fair.
*Vicksburg, Miss	30.19	50	50	S. E.	12	0	Hazy			Fair.
Virginia City, Mont										
Washington, D. C	29.92	46	62	N. W.	16	2-4	0			Cloudy.
Wilmington, N. C	30.06	48	62	N. W.		0	0			Clear.
*Yankton, Dak	29.64	49	83	S.	6	1-4	3-4			Cloudy.


WAR DEPARTMENT WEATHER MAP.
SIGNAL SERVICE, U.S. ARMY.
Division of Telegrams and Reports for the Benefit of Commerce and Agriculture
Washington, Sunday, April 13, 1873.—7.35 A. M.
All Observations made at the same moment of actual (not local) time.
HIGH
LOW
REFERENCES.
CLEAR
CLOUDY
SNOW
FAIR
RAIN
Arrow flies with the wind
Figures at base of arrow show velocity of wind in miles per hour
Absence of arrow indicates calm
The Figures (as 1000 ft) show the average elevation of the locations on which they are placed
Light Brown (shaded) surfaces average under 500 ft. above sea level
Dark Brown (shaded) surfaces average over 500 ft above sea level
Note.
Isobarometric lines
Isothermal
PUBLISHED BY ORDER OF THE SECRETARY OF WAR
BRIG. GEN'L & CHIEF SIGNAL OFFICER U.S.A.
Portland
Boston
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Dubuque
Milwaukee
Chicago
St Paul
Green Bay
Marquette
Escanaba
Mackinaw
Alpena
Detroit
Cleveland
Buffalo
Toronto
Kingston
Montreal
Quebec
Portland
Boston
New Haven
New York
Philadelphia
Pittsburg
Cincinnati
Indianapolis
Louisville
St Louis
Cairo
Nashville
Memphis
Little Rock
Vicksburg
Mobile
New Orleans
Galveston
Indianola
Brownsville
Waco
Ft Gibson
Ft Sill
Pembina
Breckenridge
Duluth
Ft Sully
Lincoln
La Crosse
Davenport
Keokuk
Norfolk
Wilmington
Charleston
Savannah
Augusta
Atlanta
Montgomery
Fernandina
Jacksonville
St Marks
Key West
Havana
Santiago de Cuba
St DOMINGO
CUBA

WASHINGTON, D. C.,
SUNDAY, *April* 13, 1873—7.35 *a. m.*

SYNOPSIS.

The storm-centre, that was Saturday morning east of New Jersey, is now apparently some distance east of Cape Cod, and a second area of low barometer is apparently central in Nebraska and Southern Dakota. Northeasterly gales continued during Saturday over Long Island Sound, but have now backed to brisk northwest winds, with rising barometer and clearing weather. Northeasterly winds, with rain and snow, continue over New England. Rising barometer, north and northwest winds, partly cloudy and clear weather, are now reported over Lake Erie, Pennsylvania, the Middle Atlantic and South Atlantic States. The barometer is highest over the Ohio Valley and Eastern Gulf States, with very generally clear weather and light winds. Fresh to brisk southerly winds, with rising temperature and partly cloudy weather, prevail in the Lower Missouri Valley, and the same, with cloudy weather, in the Northwest.. Cold northerly winds, with snow, are reported from Wyoming.

PROBABILITIES.

During the rest of Sunday the storm-centre on the East Atlantic coast move northeastward toward Nova Scotia, and that in the Missouri Valley move eastward over Iowa, and extend southward over Missouri. For Northern New England, continued northeasterly winds, rain, and snow, followed by north and northwest winds during Sunday night. For Southern New England and New York and the Middle Atlantic States, increasing north and northwest winds, cloudy and clearing weather. For the western portion of the Middle States, the South Atlantic, and Eastern Gulf States, rising barometer, diminishing winds, and clear weather. For the Southwest, the Lower Mississippi and Ohio Valleys, falling barometer, increasing southeasterly winds, hazy, followed by cloudy weather. For the Upper Lakes, easterly winds and cloudy weather. For Missouri, Kansas, and Iowa, fresh to brisk and possibly high south and east winds, with threatening weather.

Cautionary signals continue at Boston, Portland, Me., and Eastport.

FACTS—4.35 P. M., (*following the above "Probabilities."*)

WIND AND WEATHER.

(1.) *Clear.*—At Nashville, wind E., light; Cincinnati, wind S., gentle; Lake City and Louisville, wind E., gentle; Punta Rassa and Savannah, wind SE., gentle; Buffalo, wind SW., fresh; Cleveland, wind W., fresh; Charleston, wind S., fresh; Knoxville and Lynchburg, wind N., fresh; Duluth, wind NE., brisk.

(2.) *Fair.*—At Augusta and Chicago, calm; Indianapolis, wind SW., gentle; Memphis, wind SE., gentle; Toledo, wind NW., gentle; Detroit, wind W., fresh; Dover, Pittsburgh, and Rochester, wind NW., fresh; Kingston, wind NE., fresh; New Orleans and Milwaukee, wind SE., fresh; Davenport and Saint Louis, wind SE., brisk; La Crosse, wind S., brisk; Washington, wind NW., brisk.

(3.) *Cloudy.*—At Montgomery, wind NW., light; Baltimore and Oswego, wind NW., fresh; Mobile, Montreal, and Escanaba, wind S., fresh; Cape May, New York, and Toronto, wind NW., brisk; Philadelphia, wind E., brisk; Saint Paul, wind S., brisk; Fort Gibson, wind SE., brisk; Quebec, wind NE., high; Keokuk, wind SE., gale.

(4.) *Rainy.*—At Shreveport, wind S., fresh; Omaha, wind SE., fresh; Breckenridge, wind N., brisk; New London, wind NW., brisk.

(5.) *Snowy.*—At Boston, wind N., gentle.

GENERAL REMARKS AS TO VERIFICATIONS.

The above "Probabilities" were generally verified, except "for Northern New England, northwest winds," not verified.

METEOROLOGICAL RECORD, APRIL 13, 1872—4.35 P. M.

Place of observation.	Barometer.	Thermometer.	Relative humidity, per cent.	Wind.		Clouds.			Rain-fall in last 8 hours.	State of the weather.
				Direction.	Velocity.	Amount of lower.	Amount of upper.	Direction of upper.		
*Alpena, Mich	30.09	45	61	S. E.	2	0	1-4	S. E.	.....	Fair.
Augusta, Ga	30.14	68	26	Calm.	0	0	1-4	W.	.....	Fair.
Baltimore, Md	29.91	60	39	N. W.	12	1-4	3-4	N.	.....	Cloudy.
Boston, Mass	29.68	35	100	N.	5	4-4	.....	.....	.32	Light snow.
Breckenridge, Minn	29.74	46	88	N.	25	4-4	.....	.....	.03	Light rain.
Buffalo, N. Y	29.98	42	74	S. W.	8	0	2-4	N. W.	.....	Clear.
*Burlington, Vt	29.88	39	72	N.	7	4-4	.....	.....	.....	Threatening.
*Cairo, Ill	29.97	66	44	S. E.	5	1-4	2-4	.....	.....	Cloudy.
Cape May, N. J	29.86	50	64	N. W.	15	2-4	2-4	N. W.	.....	Cloudy.
Charleston, S. C	30.08	65	49	S.	6	0	0	.....	.....	Clear.
*Cheyenne, Wyo	29.86	26	100	N.	24	4-4	.....	.....	.31	Light snow.
Chicago, Ill	30.05	53	73	Calm.	0	Hazy..	1-4	.....	.....	Fair.
Cincinnati, Ohio	30.13	60	44	S.	3	Hazy..	Hazy..	.....	.....	Clear.
Cleveland, Ohio	30.08	50	57	W.	6	0	0	.....	.....	Clear.
*Corinne, Utah	30.22	41	33	N.	12	4-4	.....	.....	.....	Cloudy.
Davenport, Iowa	29.95	63	42	S. E.	16	Hazy..	2-4	W.	.....	Fair.
*Denver, Colo	29.92	31	100	N.	28	4-4	.....	.....	.67	Light snow.
Detroit, Mich	30.05	56	51	W.	6	0	2-4	W.	.....	Fair.
Duluth, Minn	29.84	47	55	N. E.	16	0	1-4	N. E.	.....	Clear.
*Eastport, Me	29.81	36	100	N. E.	18	4-4	.....	.....	.15	Light rain.
Escanaba, Mich	30.08	42	66	S.	8	4-4	.....	.....	.....	Cloudy.
*Fort Benton, Mont	30.30	47	15	N. W.	25	0	2-4	W.	.....	Fair.
Fort Garry, Manitoba	29.66	48	67	W.	15	2-4	2-4	N. W.	.....	Cloudy.
Fort Gibson, Ind. T	29.84	63	78	S. E.	24	4-4	.....	.....	.....	Threatening.
*Fort Sully, Dak	29.95	44	37	N. W.	42	4-4	.....	.....	.02	Cloudy.
*Galveston, Tex	29.96	72	67	S. E.	8	0	4-4	S.	.....	Cloudy.
*Grand Haven, Mich	30.09	48	56	W.	7	0	0	.....	.....	Clear.
Indianapolis, Ind	30.09	62	50	S. W.	5	Hazy..	1-4	W.	.....	Fair.
*Indianola, Tex	29.88	71	80	S. E.	14	4-4	.....	.....	.....	Cloudy.
*Jacksonville, Fla	30.12	65	39	E.	8	0	3-4	S. W.	.....	Fair.
Keokuk, Iowa	29.87	64	38	S. E.	41	0	4-4	S.	.....	Cloudy.
*Key West, Fla	30.00	77	46	E.	10	Hazy..	0	.....	.....	Fair.
Kingston, Canada	29.96	50	61	N. E.	6	0	2-4	.....	.....	Fair.
Knoxville, Tenn	30.09	61	23	N.	6	0	0	.....	.....	Clear.
La Crosse, Wis	29.91	71	31	S.	15	Smoky	2-4	S. E.	.....	Fair.
Lake City, Fla	30.09	70	26	E.	4	0	0	.....	.....	Clear.
*Leavenworth, Kans	29.66	65	35	S.	16	4-4	.....	.....	.....	Cloudy.
Louisville, Ky	30.09	61	45	E.	3	0	1-4	W.	.....	Clear.
Lynchburg, Va	30.00	61	50	N.	12	0	0	.....	.....	Clear.
*Marquette, Mich	30.16	53	35	S.	8	1-4	3-4	W.	.....	Cloudy.
Memphis, Tenn	30.02	71	18	S. E.	5	Hazy..	Hazy..	.....	.....	Fair.
Milwaukee, Wis	30.03	43	83	S. E.	6	1-4	2-4	N. W.	.....	Fair.
Mobile, Ala	30.11	69	48	S.	8	4-4	.....	.....	.....	Cloudy.
Montgomery, Ala	30.09	67	37	N. W.	1	4-4	.....	.....	.....	Cloudy.
Montreal, Canada	29.91	40	82	S.	8	0	4-4	N. E.	.....	Cloudy.
*Mount Washington, N. H	29.73	20	85	N. W.	46	4-4	.....	.....	.03	Cloudy.
Nashville, Tenn	30.06	66	28	E.	2	0	1-4	N. W.	.....	Clear.
New London, Conn	29.72	41	74	N. W.	22	4-4	.....	.....	.....	Light rain.
New Orleans, La	30.06	68	41	S. E.	9	0	2-4	.....	.....	Fair.
New York, N. Y	29.81	48	49	N. W.	18	1-4	2-4	N. W.	.....	Cloudy.
*Norfolk, Va	29.95	60	40	N.	15	0	3-4	W.	.....	Fair.
Omaha, Nebr	29.65	58	76	S. E.	8	4-4	.....	.....	.34	Light rain.
Oswego, N. Y	29.97	42	75	N. W.	8	4-4	.....	.....	.....	Cloudy.
*Pembina, Dak	29.75	45	76	N. W.	12	4-4	.....	.....	.....	Cloudy.
Philadelphia, Pa	29.87	49	50	N.	18	3-4	1-4	N.	.....	Cloudy.
Pittsburgh, Pa	30.02	59	56	N. W.	10	0	2-4	N. W.	.....	Fair.
Port Dover, Canada	30.01	60	34	N. W.	11	0	2-4	N. W.	.....	Fair.
*Port Stanley, Canada	30.07	55	46	N. W.	8	0	0	.....	.....	Clear.
*Portland, Me	29.71	34	100	N. E.	20	4-4	.....	.....	.34	Light rain.
*Portland, Oreg	30.53	52	47	N. W.	3	0	2-4	.....	.....	Fair.
Punta Rassa, Fla	30.04	78	26	S. E.	5	Smoky	0	.....	.....	Clear.
Quebec, Canada	29.97	36	90	N. E.	35	4-4	.....	.....	.02	Cloudy.
Rochester, N. Y	29.95	55	45	N. W.	14	1-4	2-4	N.	.....	Fair.
*San Diego, Cal	29.97	62	70	W.	16	0	0	.....	.....	Clear.
*San Francisco, Cal	30.16	59	38	W.	16	0	0	.....	.....	Clear.
*Santa Fé, N. Mex	29.56	56	0	W.	24	0	0	.....	.....	Clear.
*Saugeen, Canada	30.10	43	67	W.	1	1-4	0	.....	.....	Clear.
Savannah, Ga	30.11	67	60	S. E.	3	0	1-4	.....	.....	Clear.
*Shreveport, La	29.98	68	47	S.	10	4-4	.....	.....	.....	Light rain.
Saint Louis, Mo	29.96	65	32	S. E.	16	1-4	2-4	.....	.....	Fair.
Saint Paul, Minn	29.82	61	55	S.	16	4-4	0	.....	.....	Cloudy.
Toledo, Ohio	30.07	59	53	N. W.	5	0	1-4	N. W.	.....	Fair.
Toronto, Canada	30.00	55	44	N. W.	21	0	4-4	N. W.	.....	Cloudy.
*Vicksburg, Miss	30.10	65	38	S. E.	4	0	3-4	.....	.....	Fair.
Virginia City, Mont	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Washington, D. C	29.91	60	34	N. W.	20	0	3-4	N.	.....	Fair.
Wilmington, N. C	30.01	67	32	N. W.	.....	0	0	.....	.....	Clear.
*Yankton, Dak	29.60	54	93	N.	15	2-4	2-4	S.	.19	Cloudy.

WAR DEPARTMENT WEATHER MAP.
SIGNAL SERVICE, U.S. ARMY.
Division of Telegrams and Reports for the Benefit of Commerce and Agriculture.
Washington, Sunday, April 13, 1873.—4.35 P. M.
All Observations made at the same moment of actual (not local) time.
LOW
HIGH
REFERENCES.
CLEAR
CLOUDY
SNOW
FAIR
RAIN
Arrow flies with the wind
Figures at base of arrow shows direction of wind in
Absence of arrow indicates calm
miles per hour
The Figures without show the average elevation of the
locations in which they are placed
Light Brown shaded surfaces average under 500 ft
above sea level.
Dark Brown shaded surfaces average over 1000 ft
above sea level
Note.
Isobarometric lines
Isothermal
FURNISHED BY ORDER OF THE SECRETARY OF WAR
BRIG. GEN. & CHIEF SIGNAL OFFICER U.S.A.
Boston
Portland
Virginia City
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Omaha
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Cairo
Louisville
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Cleveland
Detroit
Chicago
Milwaukee
Green Bay
St. Paul
Quebec
Montreal
Kingston
Toronto
Buffalo
Albany
Boston
Washington
Norfolk
Charleston
Savannah
Jacksonville
Atlanta
Augusta
Montgomery
Mobile
Vicksburg
Memphis
Nashville
Little Rock
Waco
Galveston
New Orleans
Indianola
Brownsville
San Diego
Fort Yuma
Fort Bliss
Santa Fe
Key West
Havana
CUBA
ST. DOMINGO

WASHINGTON, D. C.,
SUNDAY, *April* 13, 1873—4.35 *p. m.*

SYNOPSIS.

The storm-centre, that was Saturday afternoon near Long Island, has moved very slowly northeastward, and is now apparently east of Cape Cod; that which was in Dakota and Montana is probably now central in Nebraska. The highest pressure is central over Georgia. Northeasterly winds, backing to northwest, have prevailed over New England, with rain and snow. Brisk northwesterly winds, with partly cloudy and clearing weather, over the Middle States and the Lower Lakes. Light winds and clear weather over the South Atlantic States and Ohio Valley. Falling barometer and increasing southeasterly winds are reported from the Mississippi Valley, with partly cloudy weather. Brisk southeast winds, increasing in Iowa to gales, are reported from Indian Territory and northward to Wisconsin, with threatening and rainy weather. Northeast winds apparently prevail on Lake Superior, and northwest winds, with rising barometer, in Dakota. The rivers have risen at Memphis, Omaha, and Cincinnati, and fallen at Pittsburgh.

PROBABILITIES.

The storm on Massachusetts Bay continue moving slowly eastward; that in the Missouri Valley extend southeastward over Illinois. For Monday in New England, north and northwest winds, rising barometer, cloudy and clearing weather. For the Middle States and Lower Lakes, northwesterly winds, veering to northeast, and possibly southeast, with rising temperature. For the South Atlantic and Eastern Gulf States, falling barometer, increasing southeasterly winds, and partly cloudy weather, with rain, on the Gulf coast. For the Southwest and Ohio Valley, southeast and southwest winds, threatening and rainy weather. For the Upper Lakes, southeast and northeast winds, increasing to brisk, with threatening and rainy weather.

Cautionary signals continue at Boston, Portland, Me., and Eastport, and are ordered for Chicago, Grand Haven, Milwaukee, and Duluth.

FACTS—11 P. M., (*following the above "Probabilities."*)

WIND AND WEATHER.

(1.) *Clear.*—At Nashville, calm; Baltimore and Washington, wind NW., gentle; Detroit and Louisville, wind E., gentle; Charleston and Savannah, wind SW., gentle; Indianapolis, wind SE., gentle; Cincinnati and Lynchburg, wind W., gentle; Dover, wind NW., fresh; New York, wind W., fresh; Toronto, wind N., fresh.

(2.) *Fair.*—At Augusta, Cleveland, and Denver, calm; Duluth, wind N., light; Pittsburgh, wind NW., light; Milwaukee and Mobile, wind SE., light; Toledo, wind W., light; Buffalo, wind SW., gentle; Chicago, wind E., gentle; Kingston, wind N., gentle; Corinne, wind N., fresh; Davenport and Saint Louis, wind SE., fresh; Norfolk, wind W., fresh; Philadelphia, wind NW., fresh; Cheyenne, wind NW., brisk.

(3.) *Cloudy.*—At Saint Paul, calm; Montgomery, wind SE., light; Montreal, wind NE., gentle; Memphis, wind SE., gentle; Oswego, wind S., gentle; Burlington, wind N., fresh; New Orleans and Omaha, wind SE., fresh; Rochester, wind E., fresh; Keokuk, wind SE., brisk; La Crosse, wind S., brisk; Quebec, wind E., brisk.

(4.) *Rainy.*—At Boston, wind N., fresh; New London, wind NW., fresh; Breckenridge, wind N., high.

GENERAL REMARKS AS TO VERIFICATIONS.

The above "Probabilities" were generally verified, except "for Monday in New England, north and northwest winds, cloudy and clearing weather," and "for the Upper Lakes, threatening and rainy weather," partly verified; "for the Middle States, winds veering to northeast and possibly southeast," and "for the Ohio Valley, rainy weather," not verified.

METEOROLOGICAL RECORD, APRIL 13, 1873—11 P. M.

Place of observation.	Barometer.	Thermometer.	Relative humidity, per cent.	Wind.		Clouds.			Rain-fall in last 8 hours.	State of the weather.
				Direction.	Velocity.	Amount of lower.	Amount of upper.	Direction of upper.		
*Alpena, Mich	30.13	35	70	Calm.	0	0	0	.....	.....	Clear.
Augusta, Ga	30.16	51	72	Calm.	0	0	2-4	.....	.....	Fair.
Baltimore, Md	29.96	51	54	W.	4	Hazy..	Hazy..	.....	.....	Clear.
Boston, Mass	29.91	35	95	N.	8	4-4	.....	.....	.20	Light rain.
Breckenridge, Minn	29.88	45	96	N.	30	4-4	.....	.....	.25	Heavy rain.
Buffalo, N. Y	29.96	37	81	S. W.	4	0	2-4	S. W.	.....	Fair.
Burlington, Vt	29.90	35	79	N.	6	4-4	.....	.....	.....	Threatening.
*Cairo, Ill	30.00	61	43	E.	5	1-4	3-4	W.	.....	Cloudy.
*Cape May, N. J	29.94	48	77	N. W.	8	0	3-4	N. W.	.....	Cloudy.
Charleston, S. C	30.15	56	81	S. W.	5	0	0	.....	.....	Clear.
Cheyenne, Wyo	30.04	24	74	N. W.	20	2-4	0	.....	.....	Fair.
Chicago, Ill	30.07	45	88	E.	12	0	2-4	.....	.....	Fair.
Cincinnati, Ohio	30.12	51	72	W.	4	Smoky	Hazy..	.....	.....	Clear.
Cleveland, Ohio	30.07	47	70	Calm.	0	0	2-4	N. W.	.....	Fair.
Corinne, Utah	30.28	36	55	N.	7	1-4	2-4	.....	.....	Fair.
Davenport, Iowa	29.94	55	56	S. E.	8	2-4	Hazy..	.....	.....	Fair.
Denver, Colo	30.12	30	100	Calm.	0	4-4	.....	.....	.....	Clearing.
Detroit, Mich	30.09	43	75	E.	4	0	0	.....	.....	Clear.
Duluth, Minn	29.92	39	73	N.	1	0	2-4	N.	.01	Fair.
*Eastport, Me	29.67	34	100	N. E.	10	4-4	.....	.....	.....	Heavy snow.
*Escanaba, Mich	30.10	37	81	S. E.	4	4-4	.....	.....	.....	Cloudy.
*Fort Benton, Mont	30.45	34	34	N.	4	0	0	.....	.....	Clear.
*Fort Garry, Manitoba	29.79	43	87	N. W.	12	4-4	.....	.....	.....	Cloudy.
*Fort Gibson, Ind. T	29.83	59	65	S. E.	18	0	0	.....	.....	Clear.
*Fort Sully, Dak	30.13	14	35	N. W.	37	4-4	.....	.....	.....	Cloudy.
*Galveston, Tex	29.91	69	84	S. E.	12	4-4	.....	.....	.03	Cloudy.
*Grand Haven, Mich	30.07	40	73	N. E.	4	0	.....	.....	.....	Fair.
Indianapolis, Ind	30.10	51	65	S. E.	4	0	1-4	.....	.....	Clear.
*Indianola, Tex	29.87	69	92	S.	12	1-4	2-4	S. W.	.....	Fair.
*Jacksonville, Fla	30.17	54	80	S. E.	4	0	2-4	.....	.....	Fair.
Keokuk, Iowa	29.88	54	61	S. E.	21	2-4	2-4	S.	.....	Cloudy.
*Key West, Fla	30.06	73	67	N. E.	5	0	0	.....	.....	Clear.
Kingston, Canada	30.09	36	85	N.	3	0	2-4	N.	.....	Fair.
*Knoxville, Tenn	30.12	47	61	Calm.	0	0	0	.....	.....	Clear.
La Crosse, Wis	29.97	57	46	S.	16	4-4	.....	.....	.....	Cloudy.
*Lake City, Fla	30.12	59	66	S. E.	8	4-4	.....	.....	.....	Cloudy.
*Leavenworth, Kans	29.64	58	48	S. E.	20	4-4	.....	.....	.02	Cloudy.
Louisville, Ky	30.08	54	55	E.	5	0	0	.....	.....	Clear.
Lynchburg, Va	30.09	51	62	W.	4	0	0	.....	.....	Clear.
*Marquette, Mich	30.03	42	82	S. E.	4	4-4	.....	.....	.....	Cloudy.
Memphis, Tenn	30.91	62	36	S. E.	5	4-4	.....	.....	.....	Cloudy.
Milwaukee, Wis	30.04	41	91	S E.	2	2-4	Hazy..	.....	.....	Fair.
Mobile, Ala	30.10	61	70	S. E.	2	1-4	0	.....	.....	Fair.
Montgomery, Ala	30.11	58	58	S. E.	1	4-4	.....	.....	.....	Cloudy.
Montreal, Canada	29.92	36	80	*N. E.	4	0	4-4	N. E.	.....	Cloudy.
*Mount Washington, N. H	29.71	19	84	N. W.	34	4-4	.....	.....	.....	Cloudy.
Nashville, Tenn	30.06	55	68	Calm.	0	0	2-4	N. W.	.....	Clear.
New London, Conn	29.75	39	82	N. W.	12	4-4	.....	.....	.06	Light rain.
New Orleans, La	30.07	61	70	S. E.	6	4-4	.....	.....	.....	Cloudy.
New York, N. Y	29.85	44	60	W.	10	0	2-4	.....	.....	Clear.
Norfolk, Va	30.04	54	48	W.	11	0	2-4	N. W.	.....	Fair.
Omaha, Nebr	29.71	55	68	S. E.	12	4-4	.....	.....	.07	Cloudy.
Oswego, N. Y	30.01	38	86	S.	4	4-4	.....	.....	.....	Cloudy.
*Pembina, Dak	29.86	40	91	N. W.	5	4-4	.....	.....	.02	Light rain.
Philadelphia, Pa	29.94	47	55	N. W.	9	1-4	2-4	N.	.....	Fair.
Pittsburgh, Pa	30.11	46	78	N. W.	1	Fog...	0	.....	.....	Fair.
Port Dover, Canada	30.09	45	53	N. W.	8	0	0	.....	.....	Clear.
*Port Stanley, Canada	30.12	38	80	N. W.	1	0	0	.....	.....	Clear.
*Portland, Me	29.69	35	89	N. E.	16	4-4	.....	.....	.13	Cloudy.
*Portland, Oreg	30.44	50	58	N. W.	2	0	Hazy..	.....	.....	Fair.
*Punta Rassa, Fla	30.12	66	63	E.	8	Hazy..	1-4	.....	.....	Fair.
Quebec, Canada	29.90	35	100	E.	22	4-4	.....	.....	.03	Cloudy.
Rochester, N. Y	30.02	42	70	E.	7	1-4	3-4	N.	.....	Cloudy.
*San Diego, Cal	29.99	57	87	Calm.	0	0	0	.....	.....	Clear.
*San Francisco, Cal	30.09	54	67	Calm.	0	0	0	.....	.....	Clear.
*Santa Fé, N. Mex	29.76	33	23	N. W.	5	0	0	.....	.....	Clear.
*Saugeen, Canada	30.12	30	89	Calm.	0	0	0	.....	.....	Clear.
Savannah, Ga	30.17	54	85	S. W.	4	0	1-4	.....	.....	Clear.
*Shreveport, La	29.97	61	71	S. E.	2	0	1-4	N. W.	.....	Fair.
Saint Louis, Mo	29.92	57	48	S. E.	10	1-4	2-4	N. W.	.....	Fair.
Saint Paul, Minn	29.91	55	68	Calm.	0	4-4	.....	.....	.....	Cloudy.
Toledo, Ohio	30.09	50	78	W.	2	0	1-4	W.	.....	Fair.
Toronto, Canada	30.03	44	55	N.	17	0	1-4	.....	.....	Clear.
*Vicksburg, Miss	30.07	59	38	S. E.	8	0	Hazy..	.....	.....	Fair.
Virginia City, Mont	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Washington, D. C	29.99	51	59	N. W.	4	0	0	.....	.....	Clear.
Wilmington, N. C	.....	.....	.....	.....	.....	.....	.....	.....	.....	
*Yankton, Dak	29.81	37	96	N. W.	45	4-4	.....	.....	.09	Light rain.

WAR DEPARTMENT WEATHER MAP.
SIGNAL SERVICE, U.S. ARMY.
Division of Telegrams and Reports for the Benefit of Commerce and Agriculture
Washington, Sunday, April 13, 1873.—11 P. M.
All Observations made at the same moment of actual (not local) time.
Portland
Virginia City
Humboldt City
San Diego
Santa Fe
Yankton
Pembina
Duluth
Marquette
Escanaba
St. Paul
Green Bay
La Crosse
Milwaukee
Chicago
Davenport
Keokuk
Leavenworth
St. Louis
Cairo
Indianapolis
Louisville
Cleveland
Toledo
Detroit
Buffalo
Pittsburg
Cincinnati
Nashville
Memphis
Little Rock
El Gibson
Vicksburg
Montgomery
Mobile
New Orleans
Galveston
Brownsville
Waco
Augusta
Atlanta
Charleston
Wilmington
Norfolk
Richmond
Washington
Baltimore
Philadelphia
New York
Boston
Portland
Montreal
Quebec
Halifax
Kingston
Havana
Key West
CUBA
ST DOMINGO
HIGH
REFERENCES.
CLEAR
CLOUDY
SNOW
FAIR
RAIN
Note.
Isobaric lines
Isothermal
PUBLISHED BY ORDER OF THE SECRETARY OF WAR
BRIG. GENL. & CHIEF SIGNAL OFFICER, U.S.A.

WASHINGTON, D. C.,
SUNDAY, *April* 13, 1873—11 *p. m.*

SYNOPSIS.

The storm centre, that was Saturday night near Cape Cod, has apparently moved very slowly eastward, and that which was in the Missouri Valley has moved slowly southeastward. Northerly winds, with cloudy and threatening weather, continue over New England so far as heard from. Northwesterly winds, rising barometer, and generally clear weather prevail in the Middle Atlantic States. Variable light winds and partly cloudy weather are reported from the Lower Lakes. The pressure is highest, with clear weather, over the South Atlantic States, and has fallen, with southeasterly winds, in the Ohio and Lower Mississippi Valleys. Cloudy weather, with occasional light rain, has been reported from the entire region from Minnesota and Dakota southward to the Gulf.

PROBABILITIES.

The storm in the Missouri Valley extend on Monday eastward toward the Upper Lakes and Illinois. For the Upper Lakes, easterly winds, cloudy and threatening weather. For the Gulf States, falling barometer, southeasterly winds, and cloudy weather, with rain, on the coast. For the South Atlantic States, falling barometer, southeasterly winds, and increasing cloudiness. For the Middle States, rising temperature and pressure, northwesterly winds, backing to southwest, with generally clear weather. For the Lower Lakes, increasing easterly winds and partly cloudy or hazy weather. For New England, continued northerly winds, backing to northwest, with cloudy and clearing weather.

Cautionary signals continue at Boston, Portland, Eastport, Chicago, Milwaukee, Grand Haven, and Duluth.

Midnight reports are generally missing from Maine, Lake Superior, and all stations west of the Mississippi.

FACTS—7.35 A. M., (*following the above "Probabilities."*)

WIND AND WEATHER.

(1.) *Clear.*—At Cleveland, Lynchburg, Buffalo, and Saugeen, calm; Toledo, wind NE., gentle; Dover, Stanley, and Toronto, wind NW., fresh; Kingston and Norfolk, wind N., fresh; Baltimore, Cape May, and Charleston, wind W., fresh; Davenport, wind SE., fresh; Rochester, wind NW., fresh; Washington, wind NW., brisk.

(2.) *Fair.*—At Augusta, Jacksonville, Lake City, Louisville, and Savannah, calm; Alpena, wind W., light; Detroit and Knoxville, wind NE., light; Cincinnati, wind W., gentle; Indianapolis, wind SE., gentle; Chicago, Key West, and Punta Rassa, wind E., fresh; New York, wind W., fresh; Saint Paul, wind SE., fresh; Philadelphia, wind N., fresh; Pittsburgh, wind NW., fresh.

(3.) *Cloudy.*—At Duluth, Nashville, Quebec, and Shreveport, calm; Montgomery, wind NE., light; Milwaukee, wind SE., light; Grand Haven, wind E., gentle; Mobile, wind SE., gentle; Boston and Oswego, wind NW., fresh; La Crosse, wind SE., fresh; New Orleans, wind E., fresh; New London, wind NW., brisk; Keokuk and Saint Louis, wind SE., brisk; Fort Gibson, wind W., brisk; Omaha, wind E., brisk.

(4.) *Snowy.*—At Breckenridge, wind N., brisk.

GENERAL REMARKS AS TO VERIFICATIONS.

The above "Probabilities" were generally verified, except "for the Upper Lakes, cloudy and threatening weather," and "for the Lower Lakes, increasing easterly winds," partly verified; "for the Middle States, rising pressure, winds backing to southwest," and "cautionary signals at Boston," not verified.

METEOROLOGICAL RECORD, APRIL 14, 1873—7.35 A. M.

Place of observation.	Barometer.	Thermometer.	Relative humidity, per cent.	Wind.		Clouds.			Rain-fall in last 8 hours.	State of the weather.
				Direction.	Velocity.	Amount of lower.	Amount of upper.	Direction of upper.		
Alpena, Mich	30.13	33	80	W.	2	1-4	0	.....	.....	Fair.
Augusta, Ga	30.18	45	84	Calm.	0	Smoky	1-4	.....	.....	Fair.
Baltimore, Md	29.97	51	54	W.	12	0	Hazy	.....	.....	Clear.
Boston, Mass	29.60	33	82	N. W.	9	2-4	1-4	W.	.18	Cloudy.
Breckenridge, Minn	29.95	32	89	N.	35	4-4	.....	.....	.10	Light snow.
Buffalo, N. Y	29.98	43	59	Calm.	0	0	0	.....	.....	Clear.
*Burlington, Vt	29.77	36	70	N.	7	4-4	.....	.....	.....	Threatening.
*Cairo, Ill	29.95	55	38	S. E.	5	Hazy	2-4	.....	.....	Fair.
Cape May, N. J	29.92	48	77	W.	14	2-4	0	.....	.....	Clear.
Charleston, S. C	30.16	55	87	W.	6	Fog	0	.....	.....	Clear.
*Cheyenne, Wyo	30.05	18	68	N. W.	24	0	0	.....	.....	Clear.
Chicago, Ill	30.07	45	76	E.	8	Smoky	2-4	.....	.....	Fair.
Cincinnati, Ohio	30.13	45	76	W.	3	Fog	0	.....	.....	Foggy.
Cleveland, Ohio	30.09	40	82	Calm.	0	0	.....	.....	.....	Clear.
*Corinne, Utah	30.36	29	.....	N. W.	2	0	0	.....	.....	Clear.
Davenport, Iowa	29.99	55	50	S. E.	6	Smoky	0	.....	.....	Clear.
*Denver, Colo	30.15	17	83	S.	4	.....	2-4	N. W.	.....	Fair.
Detroit, Mich	30.08	44	92	N. E.	1	Fog	Hazy	.....	.....	Foggy.
Duluth, Minn	29.96	37	80	Calm.	0	2-4	2-4	.....	.....	Cloudy.
*Eastport, Me	29.27	34	100	N. W.	6	4-4	.....	.....	.15	Light snow.
*Escanaba, Mich	30.06	37	81	N.	4	4-4	.....	.....	.....	Cloudy.
*Fort Benton, Mont	30.56	21	71	Calm.	0	0	0	.....	.....	Clear.
*Fort Garry, Manitoba	30.06	23	96	N.	22	4-4	.....	.....	.....	Light snow.
Fort Gibson, Ind. T	29.92	67	89	W.	22	4-4	.....	.....	.08	Cloudy.
*Fort Sully, Dak	30.21	31	68	N. W.	44	4-4	.....	.....	.....	Cloudy.
*Galveston, Tex	29.91	65	64	Calm.	0	3-4	1-4	.....	.93	Cloudy.
Grand Haven, Mich	30.04	44	50	E.	4	4-4	.....	.....	.....	Cloudy.
Indianapolis, Ind	30.04	49	67	S. E.	4	Smoky	2-4	W.	.....	Fair.
*Indianola, Tex	29.88	70	95	S.	11	3-4	0	.....	.02	Fair.
Jacksonville, Fla	30.15	58	69	E.	0	Smoky	1-4	.....	.....	Fair.
Keokuk, Iowa	29.79	50	79	S. E.	25	4-4	.....	.....	.24	Cloudy.
Key West, Fla	30.04	74	63	E.	8	0	1-4	E.	.....	Fair.
Kingston, Canada	29.99	39	71	N.	9	0	1-4	.....	.....	Clear.
Knoxville, Tenn	30.17	42	83	N. E.	1	0	2-4	.....	.....	Fair.
La Crosse, Wis	29.91	52	60	S. E.	6	4-4	.....	.....	.....	Cloudy.
Lake City, Fla	30.14	54	76	Calm.	6	2-4	0	.....	.....	Fair.
*Leavenworth, Kans	29.50	48	78	S. W.	20	4-4	.....	.....	.....	Cloudy.
Louisville, Ky	30.07	48	78	Calm.	0	1-4	2-4	.....	.....	Fair.
Lynchburg, Va	30.06	47	74	Calm.	0	0	0	.....	.....	Clear.
*Marquette, Mich	30.08	40	75	S.	4	0	2-4	W.	.01	Fair.
*Memphis, Tenn	29.99	55	50	S. E.	6	Smoky	0	.....	.....	Clear.
Milwaukee, Wis	30.00	40	100	S. E.	1	4-4	.....	.....	.....	Cloudy.
Mobile, Ala	30.11	61	70	S. E.	5	4-4	.....	.....	.....	Cloudy.
Montgomery, Ala	30.10	55	74	N. E.	1	4-4	.....	.....	.....	Cloudy.
Montreal, Canada	29.76	38	81	N.	4	0	4-4	N.	.....	Cloudy.
*Mount Washington, N. H	29.41	20	85	W.	48	4-4	.....	.....	.....	Cloudy.
Nashville, Tenn	30.06	50	65	Calm.	0	2-4	2-4	W.	.....	Cloudy.
New London, Conn	29.70	41	62	N. W.	16	4-4	.....	.....	.....	Cloudy.
New Orleans, La	29.99	63	78	E.	10	4-4	.....	.....	.....	Threatening.
New York, N. Y	29.83	43	50	W.	12	Smoky	2-4	W.	.....	Fair.
Norfolk, Va	30.03	53	59	N.	8	0	Hazy	.....	.....	Clear.
Omaha, Nebr	29.46	50	86	E.	20	4-4	.....	.....	.29	Cloudy.
Oswego, N. Y	29.96	38	75	N. W.	8	4-4	.....	.....	.....	Cloudy.
*Pembina, Dak	30.07	25	93	N. W.	38	4-4	.....	.....	.....	Light snow.
Philadelphia, Pa	29.92	47	52	N.	8	0	3-4	N.	.....	Clear.
Pittsburgh, Pa	30.11	43	70	N. W.	8	Fog	0	.....	.....	Fair.
Port Dover, Canada	30.09	40	56	N. W.	6	0	0	.....	.04	Clear.
Port Stanley, Canada	30.11	38	71	N. W.	3	0	0	.....	.....	Clear.
*Portland, Me	29.50	37	71	N. W.	14	4-4	.....	.....	.05	Threatening
*Portland, Oreg	30.42	41	73	N. W.	4	Hazy	Hazy	.....	.....	Fair.
Punta Rassa, Fla	30.10	66	63	E.	13	0	2-4	W.	.....	Fair.
Quebec, Canada	29.94	35	100	Calm.	0	4-4	.....	.....	.10	Cloudy.
Rochester, N. Y	29.98	42	78	N. W.	12	0	0	.....	.....	Clear.
*San Diego, Cal	29.96	50	93	Calm.	0	0	0	.....	.....	Clear.
*San Francisco, Cal	30.10	49	77	Calm.	0	0	0	.....	.....	Hazy.
*Santa Fé, N. Mex	29.86	32	30	N.	16	0	0	.....	.....	Clear.
Saugeen, Canada	30.12	34	71	Calm.	0	0	0	.....	.....	Clear.
Savannah, Ga	30.18	53	79	Calm.	0	Fog	0	.....	.....	Fair.
Shreveport, La	29.94	59	88	Calm.	0	4-4	.....	.....	.....	Cloudy.
Saint Louis, Mo	29.88	57	46	S. E.	16	2-4	2-4	S.	.....	Threatening.
Saint Paul, Minn	29.90	50	65	S. E.	12	0	2-4	S.	.....	Fair.
Toledo, Ohio	30.08	48	77	N. E.	4	0	1-4	N. W.	.....	Clear.
Toronto, Canada	30.04	43	55	N. W.	11	0	0	.....	.....	Clear.
*Vicksburg, Miss	30.02	59	76	S. E.	8	0	3-4	.....	.....	Cloudy.
Virginia City, Mont	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Washington, D. C	30.00	52	51	N. W.	15	0	0	.....	.....	Clear.
Wilmington, N. C	30.12	52	65	W.	.....	Hazy	0	.....	.....	Clear.
*Yankton, Dak	29.76	31	96	N. W.	46	4-4	.....	.....	.16	Light snow.

WAR DEPARTMENT WEATHER MAP.
SIGNAL SERVICE, U.S. ARMY.
Division of Telegrams and Reports for the Benefit of Commerce and Agriculture
Washington, Monday, April 14, 1873.—7.35 A. M.
All Observations made at the same moment of actual (not local) time.
LOW
LOW
HIGH
LOW
Duluth
Marquette
Escanaba
Green Bay
La Crosse
Milwaukee
Chicago
Toledo
Cleveland
Detroit
Alpena
Omaha
Keokuk
Indianapolis
St. Louis
Cairo
Louisville
Nashville
Memphis
Little Rock
Vicksburg
Mobile
New Orleans
Galveston
Indianola
Brownsville
Atlanta
Augusta
Savannah
Jacksonville
Key West
Havana
Pittsburgh
Philadelphia
Washington
Baltimore
Boston
Quebec
Montreal
Kingston
Toronto
Buffalo
Portland
Pembina
Breckenridge
Ft. Sully
St. Paul
Yankton
Cheyenne
Denver
Santa Fe
Virginia City
Salt Lake City
Humboldt City
San Diego
Portland
Sacramento
Lake City
Puerta Rico
Santiago de Cuba
ST DOMINGO
CUBA
REFERENCES.
CLEAR
CLOUDY
SNOW
FAIR
RAIN
Arrows fly with the wind
Figures at base of arrow show velocity of wind in miles per hour
Absence of arrow indicates calm
The Figures (as 2000 ft) show the average elevation of the locations in which they are placed
Light Brown shaded surfaces average under 500 ft above sea level
Dark Brown shaded surfaces average over 800 ft above sea level
Note.
Barometric lines
Isothermal
PUBLISHED BY ORDER OF THE SECRETARY OF WAR
BRIG. GENL. & CHIEF SIGNAL OFFICER U.S.A.

WASHINGTON, D. C.,
MONDAY, *April* 14, 1873—7.35 *a. m.*

SYNOPSIS.

The storm-centre, that was Sunday morning east of Cape Cod, has moved very slowly eastward, and is apparently still over Massachusetts Bay. Northeasterly winds, backing to northwest, with cloudy weather, prevail over New England, and light rain or snow has been reported from the immediate coast. The area of highest barometer has moved slowly eastward, with diminishing pressure, and is now central over the South Atlantic States. Diminishing northwesterly winds, with clear weather, prevail over the South Atlantic and Middle States. Northeasterly winds and falling barometer are reported from Lake Erie. The storm-centre, that was Sunday morning in Dakota, has continued slowly developing over Nebraska and Kansas, where the lowest pressure is now reported. Increasing southeasterly winds, with threatening weather, prevail in the Western Gulf States, and thence northward to Minnesota. Cold northerly gales, with snow, apparently prevail in Southern Dakota.

PROBABILITIES.

During the rest of Monday the storm-centre in the Missouri Valley extend eastward into Illinois. For the Gulf States, southeasterly winds, threatening and rainy weather. For the South Atlantic States, falling barometer, southeasterly winds, rising temperature, and hazy or cloudy weather. For the Middle States, the barometer rise somewhat, followed Monday afternoon by diminishing pressure, southwesterly winds, except possibly in New York, and generally hazy weather. For Southern New England, rising barometer, northwesterly winds, and cloudy or clearing weather. For Lake Erie and the Ohio Valley, falling barometer, increasing easterly winds, and cloudy weather. For the Upper Lakes, fresh to brisk and possibly high southeasterly winds, backing to northeast. For the Northwest, cold northerly gales and cloudy weather.

Cautionary signals continue at Boston, Portland, Me., Eastport, Chicago, Grand Haven, Milwaukee, and Duluth.

Morning reports are missing from Maine, Texas, the Northwest, and Rocky Mountain stations.

FACTS—4.35 P. M., (*following the above "Probabilities."*)

WIND AND WEATHER.

(1.) *Clear.*—At Buffalo, calm; Saugeen, wind N., light; Alpena, wind S., gentle; Cleveland and Pittsburgh, wind NW., fresh; Grand Haven, wind E., fresh; Lynchburg, wind W., fresh; Dover, wind NW., brisk; Wilmington, wind SW., brisk.

(2.) *Fair.*—At Marquette, calm; Cincinnati, wind E., gentle; Lake City, wind SW., gentle; Escanaba and Nashville, wind S., fresh; Detroit, Toledo, Louisville, Indianapolis, and Jacksonville, wind E., fresh; Norfolk, Philadelphia, and Rochester, wind N., fresh; Cape May and Knoxville, wind W., fresh; Key West, wind E., fresh; Toronto, wind NW., fresh; Baltimore, New York, and Washington, wind NW., brisk; Punta Rassa, wind SW., brisk.

(3.) *Cloudy.*—At Montgomery, wind S., light; Mobile, wind SE., gentle; Augusta, Cairo, Keokuk, Memphis, Galveston, Savannah, and Vicksburg, wind S., fresh; Charleston, wind SW., fresh; Duluth, wind NE., fresh; Chicago and Milwaukee, wind E., fresh; Shreveport, wind W., fresh; Oswego, wind NW., fresh; Kingston, wind N., fresh; Boston and New London, wind NW., brisk; Indianola, wind N., brisk; Saint Louis, wind S., brisk; La Crosse, wind SE., brisk; Saint Paul, wind NE., brisk.

(4.) *Rainy.*—At Omaha, calm; Quebec, wind E., gentle; Montreal, wind NE., gentle; New Orleans, wind SE., fresh; Davenport, wind SE., brisk.

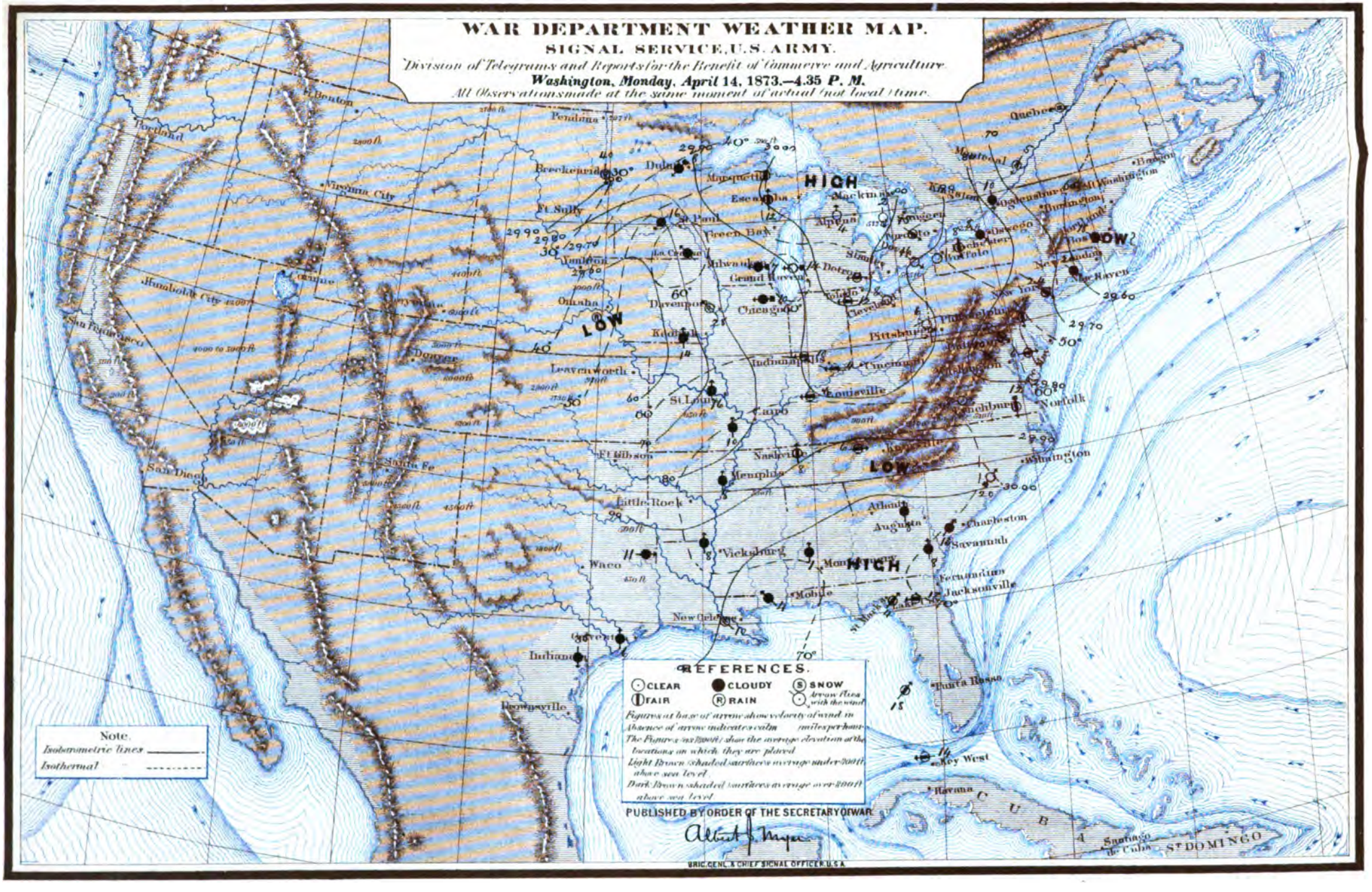
(5.) *Snowy.*—At Breckenridge, wind N., high.

GENERAL REMARKS AS TO VERIFICATIONS.

The above "Probabilities" were generally verified, except "for the Lower Lakes, easterly winds and cloudy weather," partly verified; "for the Middle States, southwesterly winds," and "cautionary signals at Boston and Portland, Me.," not verified.

METEOROLOGICAL RECORD, APRIL 14, 1873—4.35 P. M.

Place of observation.	Barometer.	Thermometer.	Relative humidity, per cent.	Wind.		Clouds.			Rain-fall in last 8 hours.	State of the weather.
				Direction.	Velocity.	Amount of lower.	Amount of upper.	Direction of upper.		
Alpena, Mich	30.07	47	55	S.	4	0	0	.....	.....	Clear.
Augusta, Ga	30.05	74	15	S.	8	1-4	3-4	W.	.....	Cloudy.
Baltimore, Md	29.79	67	23	N. W.	16	Hazy..	1-4	N. W.	.....	Fair.
Boston, Mass	29.56	41	65	N. W.	18	4-4	.....	.....	.01	Cloudy.
Breckenridge, Minn	29.98	27	88	N.	40	4-4	.....	.....	.30	Sleet.
Buffalo, N. Y	29.84	53	58	Calm.	0	0	1-4	.....	.....	Clear.
Burlington, Vt	29.67	37	74	N.	8	4-4	.....	.....	.....	Threatening.
Cairo, Ill	29.75	72	32	S.	10	1-4	3-4	W.	.....	Cloudy.
Cape May, N. J	29.78	59	59	W.	6	0	1-4	W.	.....	Fair.
Charleston, S. C	30.06	69	39	S. W.	13	Smoky	4-4	N. W.	.....	Cloudy.
*Cheyenne, Wyo	30.17	26	75	N. W.	20	0	0	.....	.....	Clear.
Chicago, Ill	29.88	50	51	E.	10	2-4	2-4	.....	.....	Cloudy.
Cincinnati, Ohio	29.95	66	32	E.	4	Smoky	2-4	E.	.....	Fair.
Cleveland, Ohio	29.99	53	36	N. W.	8	0	1-4	W.	.....	Clear.
*Corinne, Utah	30.40	54	8	E.	7	0	0	.....	.....	Clear.
Davenport, Iowa	29.71	55	74	S. E.	28	4-4	.....	.....	.10	Light rain.
*Denver, Colo	30.22	37	31	N.	42	0	1-4	N.	.....	Fair.
Detroit, Mich	30.06	58	37	E.	8	Hazy..	1-4	.....	.....	Fair.
Duluth, Minn	29.89	43	67	N. E.	8	2-4	2-4	N. E.	.....	Cloudy.
*Eastport, Me	29.48	35	100	E.	2	4-4	.....	.....	.02	Light rain.
Escanaba, Mich	30.00	49	64	S.	12	1-4	1-4	.....	.....	Fair.
*Fort Benton, Mont	30.51	52	18	N.	5	0	0	.....	.....	Clear.
*Fort Garry, Manitoba	30.25	32	23	N.	18	2-4	2-4	N.	.....	Clear.
*Fort Gibson, Ind. T	30.08	52	60	N. W.	24	Hazy..	2-4	.....	.....	Cloudy.
*Fort Sully, Dak	30.21	33	61	N. W.	43	4-4	.....	.....	.....	Cloudy.
Galveston, Tex	29.91	73	81	S.	6	0	4-4	W.	.....	Cloudy.
Grand Haven, Mich	29.89	64	37	E.	14	0	1-4	.....	.....	Clear.
Indianapolis, Ind	29.88	66	35	E.	10	Hazy..	Hazy..	.....	.....	Fair.
Indianola, Tex	29.99	62	88	N.	35	4-4	.....	.....	.04	Cloudy.
Jacksonville, Fla	30.08	73	50	E.	12	0	2-4	.....	.....	Fair.
Keokuk, Iowa	29.66	51	86	S.	14	4-4	.....	.....	.21	Cloudy.
Key West, Fla	30.05	82	52	E.	14	Hazy..	1-4	S. E.	.....	Fair.
Kingston, Canada	29.88	46	54	N.	10	4-4	.....	.....	.....	Cloudy.
Knoxville, Tenn	29.92	74	19	W.	6	Hazy..	2-4	.....	.....	Fair.
La Crosse, Wis	29.71	65	60	S. E.	18	2-4	2-4	S. E.	.....	Cloudy.
Lake City, Fla	30.03	79	26	S. W.	4	0	Hazy..	.....	.....	Fair.
*Leavenworth, Kans	29.62	41	74	W.	19	4-4	.....	.....	.....	Cloudy.
Louisville, Ky	29.86	73	24	E.	6	Smoky	2-4	.....	.....	Fair.
Lynchburg, Va	29.85	71	45	W.	8	0	0	.....	.....	Clear.
Marquette, Mich	29.98	53	48	Calm.	0	0	1-4	.....	.....	Fair.
Memphis, Tenn	29.83	74	39	S.	8	2-4	2-4	S. W.	.....	Cloudy.
Milwaukee, Wis	29.85	45	76	E.	7	2-4	2-4	E.	.....	Cloudy.
Mobile, Ala	30.06	65	73	S. E.	4	4-4	.....	.....	.14	Cloudy.
Montgomery, Ala	30.02	69	39	S.	1	4-4	.....	.....	.....	Cloudy.
Montreal, Canada	29.65	39	81	N. E.	5	4-4	.....	.....	.17	Light rain.
*Mount Washington, N. H	29.47	19	84	N.	60	4-4	.....	.....	.....	Cloudy.
Nashville, Tenn	30.88	75	19	S.	8	0	2-4	W.	.....	Fair.
New London, Conn	29.67	46	54	N. W.	20	4-4	.....	.....	.....	Cloudy.
New Orleans, La	29.97	64	88	S. E.	10	4-4	.....	.....	.61	Light rain.
New York, N. Y	29.76	49	44	N. W.	24	Hazy..	2-4	N. W.	.....	Fair.
Norfolk, Va	29.89	68	25	N.	12	0	1-4	.....	.....	Fair.
Omaha, Nebr	29.41	44	84	Calm.	0	4-4	.....	.....	.06	Light rain.
Oswego, N. Y	29.86	42	58	N. W.	8	4-4	.....	.....	.....	Cloudy.
*Pembina, Dak	30.25	29	88	N.	29	4-4	.....	.....	.14	Cloudy.
Philadelphia, Pa	29.74	58	37	N.	8	2-4	1-4	N. W.	.....	Fair.
Pittsburgh, Pa	29.95	62	41	N. W.	6	0	1-4	N. W.	.....	Clear.
Port Dover, Canada	29.93	60	24	N. W.	16	0	0	.....	.....	Clear.
*Port Stanley, Canada	29.99	56	94	N. W.	9	0	0	.....	.....	Clear.
Portland, Me	29.43	39	86	N. W.	8	4-4	.....	.....	.....	Light rain.
*Portland, Oreg	30.34	63	24	N. E.	11	0	0	.....	.....	Clear.
Punta Rassa, Fla	30.06	78	61	S. W.	18	Hazy..	2-4	W.	.....	Fair.
Quebec, Canada	29.67	37	100	E.	5	4-4	.....	.....	.20	Light rain.
Rochester, N. Y	29.87	49	44	N.	8	0	1-4	N.	.....	Fair.
*San Diego, Cal	29.99	70	49	N.	17	Hazy..	0	.....	.....	Clear.
*San Francisco, Cal	30.11	69	18	N. W.	8	0	0	.....	.....	Clear.
*Santa Fé, N. Mex	29.87	42	42	W.	10	0	4-4	S. W.	.....	Fair.
Saugeen, Canada	30.03	45	61	N.	2	0	0	.....	.....	Clear.
Savannah, Ga	30.09	68	45	S.	8	4-4	.....	.....	.....	Cloudy.
Shreveport, La	29.95	60	73	W.	11	4-4	.....	.....	.25	Cloudy.
Saint Louis, Mo	29.69	65	58	S.	16	2-4	2-4	S.	.02	Threatening.
Saint Paul, Minn	29.69	60	48	N. E.	16	4-4	.....	.....	.....	Cloudy.
Toledo, Ohio	29.97	57	.....	E.	12	0	2-4	.....	.....	Fair.
Toronto, Canada	29.93	54	41	N. W.	15	0	1-4	N. W.	.....	Fair.
Vicksburg, Miss	29.94	70	69	S.	8	4-4	.....	.....	.....	Cloudy.
Virginia City, Mont	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Washington, D. C	29.80	68	18	N. W.	16	Hazy..	1-4	N. W.	.....	Fair.
Wilmington, N. C	30.00	70	40	S. W.	20	Hazy..	0	.....	.....	Clear.
*Yankton, Dak	29.67	32	96	N.	47	4-4	.....	.....	.21	Heavy snow.


WAR DEPARTMENT WEATHER MAP.
SIGNAL SERVICE, U.S. ARMY.
Division of Telegrams and Reports for the Benefit of Commerce and Agriculture.
Washington, Monday, April 14, 1873.—4.35 P. M.
All Observations made at the same moment of actual (not local) time.
HIGH
LOW
LOW
HIGH
LOW
REFERENCES.
CLEAR
CLOUDY
SNOW
FAIR
RAIN
Arrow flies with the wind
Figures at base of arrow show velocity of wind in miles per hour.
Absence of arrow indicates calm
The Figures (as 2000 ft) show the average elevation of the locations on which they are placed.
Light Brown shaded surfaces average under 2000 ft above sea level.
Dark Brown shaded surfaces average over 2000 ft above sea level.
Note.
Isobarometric lines
Isothermal
PUBLISHED BY ORDER OF THE SECRETARY OF WAR.
BRIG. GENL. & CHIEF SIGNAL OFFICER, U.S.A.
Portland
Ft. Benton
Pembina
Duluth
Marquette
Escanaba
Mackinaw
Alpena
Kingston
Toronto
Oswego
Rochester
Buffalo
Quebec
Montreal
Boston
Salem
Portsmouth
Ft. Washington
Huntington
Norfolk
Wilmington
Charleston
Savannah
Augusta
Atlanta
Jacksonville
Fernandina
Key West
Havana
CUBA
Santiago de Cuba
ST. DOMINGO
Puerta Rosa
Breckenridge
Ft. Sully
Winnemucca City
Humboldt City
San Francisco
San Diego
Santa Fe
Denver
Omaha
Leavenworth
Ft. Gibson
Waco
Galveston
Indianola
Brownsville
New Orleans
Mobile
Vicksburg
Little Rock
Memphis
Nashville
St. Louis
Cairo
Louisville
Indianapolis
Cincinnati
Pittsburg
Cleveland
Toledo
Detroit
Chicago
Milwaukee
Grand Haven
Green Bay
St. Paul
Dubuque
Davenport
Keokuk
Lake Raven
New York
Philadelphia
Baltimore
Washington
Richmond
Norfolk

WASHINGTON, D. C.,
MONDAY, *April* 14, 1873—4.35 *p. m.*

SYNOPSIS.

The storm-centre, that was over Massachusetts Bay on Sunday afternoon, is apparently now central in the same region, but having a somewhat increased extent and violence. That which was in the Missouri Valley is now central in Iowa. The highest barometer is on the South Atlantic coast, and the pressure has risen decidedly in the Northwest. Fresh to brisk northwesterly winds, with cloudy weather, have continued over Southern New England, and the same, with partly cloudy weather and rising temperature, have prevailed over the Middle States. Southwesterly winds, increasing to brisk, are reported from South Carolina, Georgia, and Florida. Southeasterly winds, with cloud and rain, prevail in the Western Gulf States, except in Texas, where north and westerly gales are reported, with falling temperature. Increasing easterly winds and partly cloudy weather are reported from the Ohio Valley and Lakes Erie and Michigan. Brisk southerly winds, with threatening and rainy weather, in Missouri, backing to warm northeast winds in Eastern Minnesota, and cold northerly gales, with sleet, in Western Minnesota. The rivers have fallen at New Orleans, Pittsburgh, and Omaha.

PROBABILITIES.

The storm on Massachusetts Bay continue moving slowly northeastward into New Brunswick and Nova Scotia; that in Iowa advance northeastward, and a third storm-centre develop in North Carolina and on the Middle Atlantic coast. For Monday in New England, except Maine, continued north and northwest winds, cloudy and clearing weather. For the Lower Lakes and western portion of the Middle States, increasing north and east winds and cloudy weather. For the Middle Atlantic States, northeasterly winds and rising temperature. For Virginia and the South Atlantic States, southwesterly winds, with cloud and rain. From Alabama westward, southeast winds veer to cold northwest, with cloudy weather. For the Upper Lakes, increasing northeasterly winds, with rain.

Cautionary signals continue at Boston, Portland, Me., Eastport, Chicago, Grand Haven, Milwaukee, Duluth, and are ordered for Norfolk and Wilmington.

FACTS—11 P. M., (*following the above "Probabilities."*)

WIND AND WEATHER.

(1.) *Clear.*—At Saugeen, calm; Dover, wind NW., light; Buffalo, wind W., gentle; Baltimore, wind E., gentle; Lynchburg, Marquette, and Norfolk, wind NW., gentle; Toledo, wind S., gentle; Cleveland, wind N., fresh; Escanaba, wind W., fresh; Wilmington, wind SW., fresh; Washington, Shreveport, and Toronto, wind NW., fresh.

(2.) *Fair.*—At Pittsburgh, calm; Detroit, wind E., gentle; New London and Rochester, wind NW., fresh; New Orleans, wind SE., fresh; Nashville, wind S., fresh; Philadelphia, wind NE., fresh; Saint Louis, wind SW., fresh; Davenport, wind SW., brisk.

(3.) *Cloudy.*—At Augusta, Kingston, Louisville, and Oswego, calm; Cincinnati, wind E., light; Montgomery, wind S., light; Montreal, wind N., gentle; Savannah, wind S., gentle; Burlington, wind N., fresh; Boston, wind NW., fresh; Chicago, Indianapolis, and Milwaukee, wind E., fresh; Charleston and Portland, Me., wind SW., fresh; Mobile, wind SE., fresh; New York, wind W., fresh; Duluth, wind NE., brisk; Keokuk, wind SW., brisk; Galveston, wind N., brisk; Leavenworth, wind W., brisk.

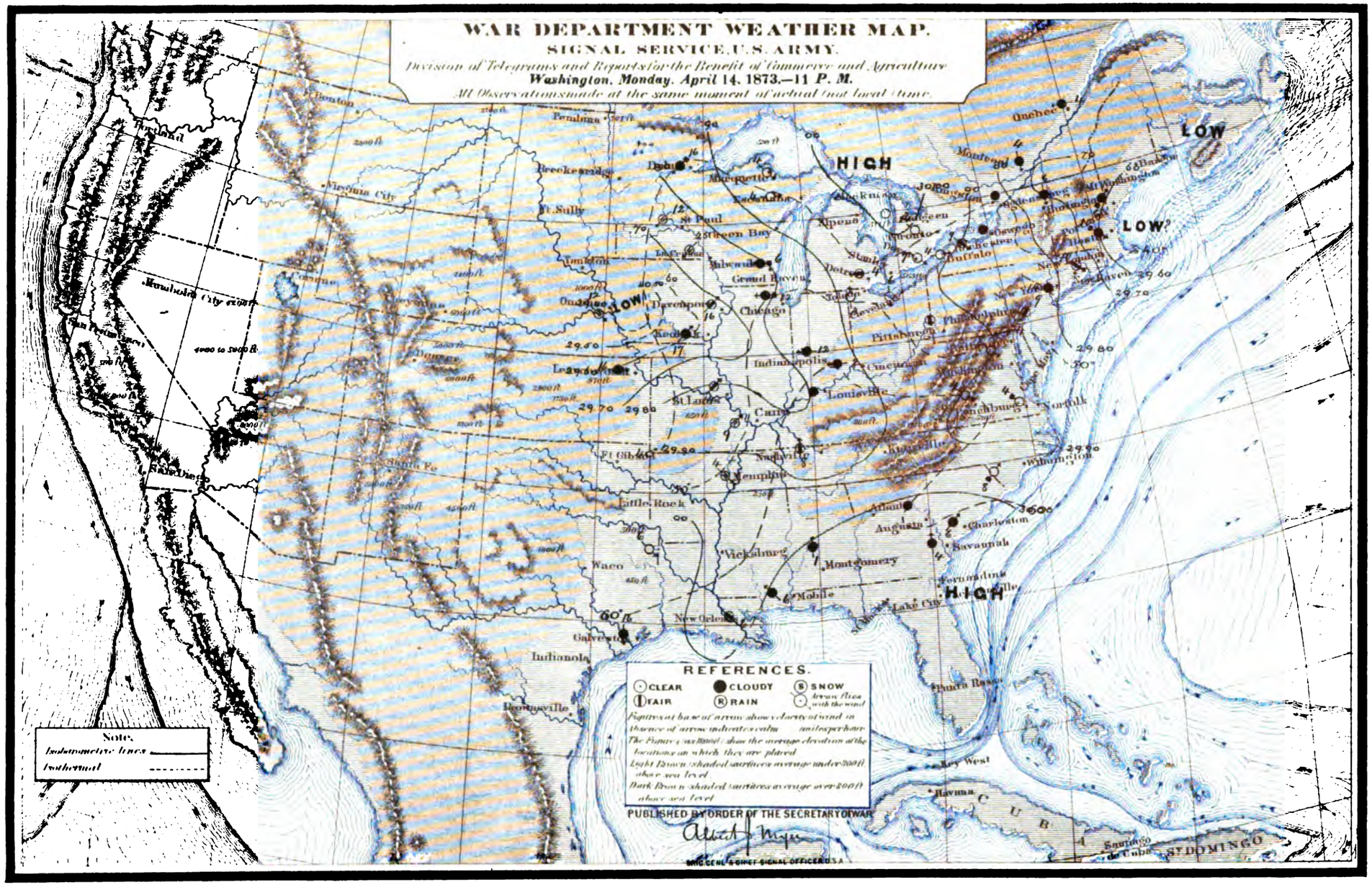
(4.) *Rainy.*—At Cairo, wind SW., light; Memphis, wind NW., gentle; Omaha, wind NW., fresh; Saint Paul, wind NE., fresh; La Crosse, wind NE., brisk.

GENERAL REMARKS AS TO VERIFICATIONS.

The above "Probabilities" were generally verified, except "for the Upper Lakes, rain," partly verified; "the storm in Iowa advance northeastward," and "cautionary signals at Boston, Portland, Me., Eastport, Norfolk, and Wilmington," not verified.

METEOROLOGICAL RECORD, APRIL 14, 1873—11 P. M.

Place of observation.	Barometer.	Thermometer.	Relative humidity per cent.	Wind.		Clouds.			Rain-fall in last 8 hours.	State of the weather.
				Direction.	Velocity.	Amount of lower.	Amount of upper.	Direction of upper.		
*Alpena, Mich	30.02	37	62	N. W.	6	0	0			Clear.
Augusta, Ga	30.04	60	55	Calm.	0	4-4				Cloudy.
Baltimore, Md	29.88	55	45	E.	4	Hazy.	Hazy.			Clear.
Boston, Mass	29.59	40	75	N. W.	10	4-4				Cloudy.
*Breckenridge, Minn	30.05	26	47	N.	38	4-4			.20	Sleet.
Buffalo, N. Y	29.85	41	65	W.	4	0	0			Clear.
Burlington, Vt	29.72	36	80	N.	6	4-4				Threatening.
Cairo, Ill	29.88	50	93	S. W.	1	4-4			.40	Light rain.
*Cape May, N. J	29.87	47	77	N.	4	0	0			Clear.
Charleston, S. C	30.05	63	72	S. W.	6	0	4-4	S. W.		Cloudy.
*Cheyenne, Wyo	30.23	20	70	N. W.	16	0	0			Clear.
Chicago, Ill	29.81	52	76	E.	12	4-4				Cloudy.
Cincinnati, Ohio	29.88	59	53	E.	2	1-4	3-4	W.		Cloudy.
Cleveland, Ohio	29.93	45	61	N.	6	0	0			Clear.
*Corinne, Utah	30.41	43	21	E.	6	0	0			Clear.
Davenport, Iowa	29.70	45	76	S. W.	16	2-4	0		.27	Clearing.
*Denver, Colo	30.34	31	38	N.	13	0	0			Clear.
Detroit, Mich	29.94	43	51	E.	4	0	1-4			Fair.
Duluth, Minn	29.89	41	64	N. E.	16	0				Cloudy.
*Eastport, Me	29.57	43	100	N. E.	12	4-4			.10	Light snow.
Escanaba, Mich	29.94	34	51	W.	4	4-4	0			Clear.
*Fort Benton, Mont	30.50	39	46	Calm.	0	0	0			Clear.
*Fort Garry, Manitoba	30.35	25	74	N.	19	2-4	0			Clearing.
*Fort Gibson, Ind. T	30.14	48	49	W.	7	1-4	1-4	W.		Cloudy.
*Fort Sully, Dak	30.27	38	63	N. W.	58	4-4				Cloudy.
Galveston, Tex	30.04	65	57	N.	16	4-4				Cloudy.
*Grand Haven, Mich	29.87	52	47	E.	16	2-4	0			Fair.
Indianapolis, Ind	29.81	60	39	E.	12	4-4				Cloudy.
*Indianola, Tex	30.08	64	62	N.	25	4-4				Cloudy.
*Jacksonville, Fla	30.09	65	73	S. E.	8	4-4				Cloudy.
Keokuk, Iowa	29.71	44	68	S. W.	17	4-4				Cloudy.
*Key West, Fla	30.07	76	65	E.	14	Hazy.	0			Fair.
Kingston, Canada	29.87	42	66	Calm.	0	4-4				Cloudy.
*Knoxville, Tenn	29.92	62	35	S.	6	Haze.	0			Fair.
La Crosse, Wis	29.75	52	66	N. E.	25	4-4			.03	Light rain.
*Lake City, Fla	30.03	66	68	S. W.	2	4-4				Cloudy.
Leavenworth, Kans	29.69	35	70	W.	16	4-4				Cloudy.
Louisville, Ky	29.81	60	55	Calm.	0	2-4	2-4			Cloudy.
Lynchburg, Va	29.87	62	56	N. W.	4	0	2-4			Clear.
Marquette, Mich	29.99	36	70	N. W.	4	0	0			Clear.
Memphis, Tenn	29.97	50	92	N. W.	4	4-4	0		.30	Light rain.
Milwaukee, Wis	29.79	45	52	E.	6	4-4				Threatening.
Mobile, Ala	30.03	61	94	S. E.	6	4-4			.06	Cloudy.
Montgomery, Ala	30.02	63	61	S.	1	4-4				Threatening.
Montreal, Canada	29.68	35	80	N.	4	0	4-4	N.		Cloudy.
*Mount Washington, N. H	29.56	19	84	W.	64	4-4				Cloudy.
Nashville, Tenn	29.86	66	36	S.	8	0	2-4	W.		Fair.
New London, Conn	29.77	40	73	N. W.	10	1-4	0			Fair.
New Orleans, La	29.97	63	88	S. E.	6	1-4	0		.01	Fair.
New York, N. Y	29.79	46	54	W.	14	4-4				Cloudy.
Norfolk, Va	29.88	57	43	N. W.	4	0	0			Clear.
Omaha, Nebr	29.43	37	90	N. W.	12	4-4			.02	Light rain.
Oswego, N. Y	29.83	40	78	Calm.	0	4-4				Cloudy.
*Pembina, Dak	30.35	26	93	N. W.	30	4-4				Threatening.
Philadelphia, Pa	29.83	47	48	N. E.	9	2-4	1-4			Fair.
Pittsburgh, Pa	29.98	46	61	Calm.	0	Smoky	0			Fair.
Port Dover, Canada	29.96	44	59	N. W.	7	0	0			Clear.
*Port Stanley, Canada	30.00	40	58	N. W.	3	0	0			Clear.
Portland, Me	29.53	37	80	S. W.	6	4-4			.03	Cloudy.
*Portland, Oreg	30.29	59	28	N. W.	3	0	0			Clear.
*Punta Rassa, Fla	30.09	72	58	S. E.	14	Hazy.	2-4			Fair.
Quebec, Canada	29.76	35	100	E.	4	4-4			.50	Cloudy.
Rochester, N. Y	29.85	45	57	N. W.	9	1-4	1-4	E.		Fair.
*San Diego, Cal	30.02	62	61	Calm.	0	0	0			Clear.
*San Francisco, Cal	30.09	63	47	N. W.	4	0	0			Clear.
*Santa Fé, N. Mex	29.92	32	30	N.	5	0	1-4	S. W.		Fair.
Saugeen, Canada	30.00	31	89	Calm.	0	0	0			Clear.
Savannah, Ga	30.06	62	83	S.	4	4-4				Cloudy.
Shreveport, La	30.03	57	58	N. W.	6	0	0			Clear.
Saint Louis, Mo	29.82	45	60	S. W.	14	1-4	0		.15	Fair.
Saint Paul, Minn	29.76	50	100	N. E.	12	4-4			.15	Light rain.
Toledo, Ohio	29.95	52	43	S.	3	0	0			Clear.
Toronto, Canada	29.93	43	66	N. W.	14	0	0			Clear.
*Vicksburg, Miss	30.00	60	97	N. W.	20	4-4			.22	Light rain.
Virginia City, Mont										
Washington, D. C	29.89	55	33	N. W.	8	0	0			Clear.
Wilmington, N. C	29.99	59	68	S. W.	8	0	Hazy.			Clear.
*Yankton, Dak	29.66	30	96	N.	47	4-4			.09	Heavy snow.


WAR DEPARTMENT WEATHER MAP.
SIGNAL SERVICE, U.S. ARMY.
Division of Telegrams and Reports for the Benefit of Commerce and Agriculture
Washington, Monday, April 14, 1873.—11 P. M.
All Observations made at the same moment of actual (not local) time.
HIGH
LOW
LOW
LOW?
HIGH
Boston
Portland
Virginia City
Ft. Sully
Breckenridge
Duluth
Marquette
St. Paul
Green Bay
Milwaukee
Grand Haven
Chicago
Davenport
Keokuk
Omaha
Leavenworth
St. Louis
Cairo
Indianapolis
Louisville
Cincinnati
Pittsburgh
Cleveland
Detroit
Toledo
Alpena
Buffalo
Rochester
Oswego
Toronto
Quebec
Montreal
Portland
Boston
New Haven
New York
Philadelphia
Washington
Norfolk
Lynchburg
Knoxville
Wilmington
Nashville
Memphis
Little Rock
Vicksburg
Mobile
New Orleans
Galveston
Indianola
Brownsville
Waco
Fort Gibson
Santa Fe
Virginia City
Fort Yuma
San Diego
San Francisco
Sacramento
Humboldt City
Atlanta
Augusta
Charleston
Savannah
Montgomery
Fernandina
Jacksonville
Lake City
Key West
Havana
CUBA
Santiago de Cuba
ST. DOMINGO
Punta Rassa
Note.
Isobarometric lines
Isothermal
REFERENCES.
CLEAR
CLOUDY
SNOW
FAIR
RAIN
Arrows flies with the wind
Figures at base of arrow show velocity of wind in miles per hour
Absence of arrow indicates calm
The Figures (as 3000) show the average elevation of the locations on which they are placed
Light Brown shaded surfaces average under 500 ft. above sea level
Dark Brown shaded surfaces average over 500 ft. above sea level
PUBLISHED BY ORDER OF THE SECRETARY OF WAR
BRIG. GENL. & CHIEF SIGNAL OFFICER U.S.A.

WASHINGTON, D. C.,
MONDAY, *April* 14, 1873—11 *p. m.*

SYNOPSIS.

The storm-centre was east of Cape Cod Sunday night is probably now in New Brunswick; that which was in the Missouri Valley is now apparently near Lake Michigan, but with diminished intensity. The highest pressure is in the South Atlantic States. Northeasterly winds have backed to northwest in New England, with cloudy weather and light rain. Northwesterly winds have prevailed over the Middle States, but have now diminished and occasionally veered to northeast, with partly cloudy weather. Southwesterly winds and cloudy weather are reported in the South Atlantic States, and southerly winds, with rain, have prevailed on the Gulf coast. Brisk and high north and west winds prevailed Monday afternoon on the Texas coast, and very cold northerly gales in the Northwest. Easterly winds are reported from Ohio and Lake Michigan; southwesterly winds from Illinois.

PROBABILITIES.

For Tuesday, in New England, north and west winds, increasing possibly to brisk, in Maine, with partly cloudy and clearing weather. For the Middle States, northeasterly winds and partly cloudy and hazy weather. For the Lower Lakes, increasing northeast winds and cloudy weather. For the South Atlantic and Eastern Gulf States, winds veer to west and northwest, with cloudy weather and light rain. For the Upper Lakes, northeasterly winds, increasing possibly to brisk, with cloudy and rainy weather. For the Western Gulf States, continued cold northerly winds.

Cautionary signals continue at Boston, Portland, Eastport, Duluth, Milwaukee, Chicago, Grand Haven, Norfolk, and Wilmington.

FACTS—7.35 A. M., (*following the above "Probabilities."*)

WIND AND WEATHER.

(1.) *Clear.*—At Montreal, wind N., light; Cleveland, wind E., light; Saugeen, wind NW., light; Rochester, wind NE., gentle; New York, wind NW., gentle; Alpena and Kingston, wind NE., fresh; Baltimore, Philadelphia, and Washington, wind NW., fresh; Cape May, Shreveport, and Wilmington, wind W., fresh; Dover and Toronto, wind N., fresh; Memphis, wind SW., fresh.

(2.) *Fair.*—At Buffalo, Lynchburg, Marquette, Mobile, and Pittsburgh, calm; Boston, wind N., gentle; Detroit, wind E., gentle; Norfolk, wind S., gentle; New London, wind NW., fresh; Oswego, wind NE., fresh; Punta Rassa and Toledo, wind SE., fresh; Key West, wind SE., brisk; Saint Louis, wind S., brisk.

(3.) *Cloudy.*—At Augusta, calm; Cincinnati, wind E., light; Indianapolis, wind SW., light; Montgomery, wind SE., light; Chicago and Louisville, wind SW., gentle; Knoxville and Jacksonville, wind S., gentle; Charleston, wind SW., fresh; Davenport and Keokuk, wind SE., fresh; La Crosse, wind S., fresh; New Orleans, wind W., fresh; Quebec, wind E., fresh; Saint Paul, wind NE., brisk; Grand Haven, wind E., brisk.

(4.) *Rainy.*—At Lake City and Savannah, wind S., gentle; Nashville, wind W., fresh; Milwaukee, wind SE., brisk.

(5.) *Snowy.*—At Omaha, wind N., fresh.

GENERAL REMARKS AS TO VERIFICATIONS.

The above "Probabilities" were generally verified, except "for the South Atlantic States, winds veer to west and northwest," and "cautionary signals at Boston, Portland, Me., Eastport, Norfolk, and Wilmington," not verified.

WASHINGTON, D. C.,
MONDAY, *April* 14, 1873—11 *p. m.*

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Cautionary signals continue at Boston, Portland, Eastport, Duluth, Milwaukee, Chicago, Grand Haven, Norfolk, and Wilmington.

FACTS—7.35 A. M., (*following the above "Probabilities."*)

WIND AND WEATHER.

(1.) *Clear.*—At Montreal, wind N., light; Cleveland, wind E., light; Saugeen, wind NW., light; Rochester, wind NE., gentle; New York, wind NW., gentle; Alpena and Kingston, wind NE., fresh; Baltimore, Philadelphia, and Washington, wind NW., fresh; Cape May, Shreveport, and Wilmington, wind W., fresh; Dover and Toronto, wind N., fresh; Memphis, wind SW., fresh.

(2.) *Fair.*—At Buffalo, Lynchburg, Marquette, Mobile, and Pittsburgh, calm; Boston, wind N., gentle; Detroit, wind E., gentle; Norfolk, wind S., gentle; New London, wind NW., fresh; Oswego, wind NE., fresh; Punta Rassa and Toledo, wind SE., fresh; Key West, wind SE., brisk; Saint Louis, wind S., brisk.

(3.) *Cloudy.*—At Augusta, calm; Cincinnati, wind E., light; Indianapolis, wind SW., light; Montgomery, wind SE., light; Chicago and Louisville, wind SW., gentle; Knoxville and Jacksonville, wind S., gentle; Charleston, wind SW., fresh; Davenport and Keokuk, wind SE., fresh; La Crosse, wind S., fresh; New Orleans, wind W., fresh; Quebec, wind E., fresh; Saint Paul, wind NE., brisk; Grand Haven, wind E., brisk.

(4.) *Rainy.*—At Lake City and Savannah, wind S., gentle; Nashville, wind W., fresh; Milwaukee, wind SE., brisk.

(5.) *Snowy.*—At Omaha, wind N., fresh.

GENERAL REMARKS AS TO VERIFICATIONS.

The above "Probabilities" were generally verified, except "for the South Atlantic States, winds veer to west and northwest," and "cautionary signals at Boston, Portland, Me., Eastport, Norfolk, and Wilmington," not verified.

METEOROLOGICAL RECORD, APRIL 15, 1873—7.35 A. M.

Place of observation.	Barometer.	Thermometer.	Relative humidity, per cent.	Wind.		Clouds.			Rain-fall in last 8 hours.	State of the weather.
				Direction.	Velocity.	Amount of lower.	Amount of upper.	Direction of upper.		
Alpena, Mich	30.02	40	48	N. E.	7	0	0	.....	.....	Clear.
Augusta, Ga	30.01	59	76	Calm.	0	1-4	2-4	S. W.	.....	Cloudy.
Baltimore, Md	29.93	52	47	N. W.	8	Smoky	Hazy	.....	.....	Clear.
Boston, Mass	29.74	43	67	N.	5	2-4	0	.....	.....	Fair.
*Breckenridge, Minn	30.04	22	86	N.	35	4-4	.....	.....	.40	Heavy snow.
Buffalo, N. Y	29.90	44	52	Calm.	0	Smoky	2-4	.....	.....	Fair.
*Burlington, Vt	29.89	38	71	N.	8	1-4	2-4	N.	.....	Clearing.
*Cairo, Ill	29.88	43	84	S. W.	1	Hazy	Hazy	.....	.09	Fair.
Cape May, N. J	29.89	48	70	W.	12	0	0	.....	.....	Clear.
Charleston, S. C	30.01	66	76	S. W.	9	2-4	2-4	W.	.....	Cloudy.
*Cheyenne, Wyo	30.22	17	67	N. W.	20	0	0	.....	.....	Clear.
Chicago, Ill	29.79	44	88	S. W.	4	0	4-4	S. W.	.14	Cloudy.
Cincinnati, Ohio	29.96	55	56	E.	2	Smoky	4-4	E.	.02	Cloudy.
Cleveland, Ohio	29.93	40	74	E.	2	0	2-4	S. E.	.....	Clear.
*Corinne, Utah	30.43	30	47	N.	6	0	0	.....	.....	Clear.
Davenport, Iowa	29.71	42	65	S. E.	10	4-4	.....	.....	.....	Cloudy.
*Denver, Colo	30.30	19	69	Calm.	0	0	0	.....	.....	Clear.
Detroit, Mich	29.98	44	52	E.	4	Smoky	1-4	.....	.....	Fair.
*Duluth, Minn	29.95	40	64	N.	20	4-4	.....	.....	.....	Cloudy.
*Eastport, Me	29.75	34	100	N. E.	8	2-4	2-4	N. E.	.12	Cloudy.
*Escanaba, Mich	29.94	39	64	N. E.	8	2-4	1-4	.....	.....	Cloudy.
*Fort Benton, Mont	30.51	25	75	S.	1	0	1-4	S.	.....	Fair.
*Fort Garry, Manitoba	30.41	19	76	N.	26	4-4	.....	.....	.....	Cloudy.
*Fort Gibson, Ind. T	30.05	42	58	W.	14	4-4	.....	.....	.....	Cloudy.
*Fort Sully, Dak	30.36	28	65	N. W.	38	3-4	.....	.....	.....	Clearing.
*Galveston, Tex	30.14	57	53	N.	34	0	3-4	W.	.....	Cloudy.
Grand Haven, Mich	29.79	48	35	E.	24	4-4	.....	.....	.....	Cloudy.
Indianapolis, Ind	29.76	54	67	S. W.	1	4-4	.....	.....	.....	Threatening.
*Indianola, Tex	30.19	56	51	N.	41	3-4	1-4	S. W.	.....	Cloudy.
Jacksonville, Fla	30.06	65	83	S.	4	4-4	.....	.....	.....	Cloudy.
Keokuk, Iowa	29.66	40	64	S. E.	8	4-4	.....	.....	.....	Cloudy.
Key West, Fla	30.06	77	69	S. E.	15	Hazy	2-4	W.	.....	Fair.
Kingston, Canada	29.98	44	68	N. E.	7	0	1-4	.....	.....	Clear.
Knoxville, Tenn	29.95	50	71	S.	4	4-4	.....	.....	.....	Cloudy.
La Crosse, Wis	29.74	43	75	S.	11	4-4	.....	.....	.....	Threatening.
Lake City, Fla	30.03	63	94	S.	4	4-4	.....	.....	.15	Light rain.
*Leavenworth, Kans	29.47	35	90	N. W.	8	4-4	.....	.....	.....	Light snow.
Louisville, Ky	29.96	58	64	S. W.	5	Smoky	Smoky	.....	.....	Cloudy.
Lynchburg, Va	29.93	48	78	Calm.	0	0	1-4	W.	.....	Fair.
Marquette, Mich	30.61	34	80	Calm.	0	0	2-4	.....	.....	Fair.
Memphis, Tenn	29.97	50	71	S. W.	8	0	0	.....	.05	Clear.
Milwaukee, Wis	29.74	41	74	S. E.	16	4-4	.....	.....	.03	Light rain.
Mobile, Ala	30.00	61	88	Calm.	0	Fog	1-4	.....	.....	Foggy.
Montgomery, Ala	29.96	63	72	S. E.	1	4-4	.....	.....	.....	Cloudy.
Montreal, Canada	29.85	39	72	N.	2	0	0	.....	.....	Clear.
*Mount Washington, N. H	29.69	18	84	N. W.	68	4-4	.....	.....	.....	Cloudy.
Nashville, Tenn	29.90	51	86	W.	7	4-4	.....	.....	.....	Light rain.
New London, Conn	29.78	43	59	N. W.	14	1-4	1-4	N. W.	.....	Fair.
*New Orleans, La	30.03	64	100	N.	14	4-4	.....	.....	.02	Cloudy.
New York, N. Y	29.84	47	55	N. W.	4	Smoky	1-4	.....	.....	Clear.
Norfolk, Va	29.95	55	67	S.	5	0	Hazy	.....	.....	Fair.
Omaha, Nebr	29.58	33	95	N.	12	4-4	.....	.....	.....	Heavy snow.
Oswego, N. Y	29.94	40	78	N. E.	6	2-4	2-4	N.	.....	Fair.
*Pembina, Dak	30.57	20	92	N.	27	4-4	.....	.....	.....	Threatening.
Philadelphia, Pa	29.89	49	47	N. W.	14	Smoky	Hazy	.....	.....	Clear.
Pittsburgh, Pa	29.97	37	71	Calm.	0	Fog	.....	.....	.....	Foggy.
Port Dover, Canada	29.99	42	49	N.	7	0	0	.....	.....	Clear.
*Port Stanley, Canada	29.97	40	58	N. W.	4	0	0	.....	.....	Clear.
*Portland, Me	29.74	37	80	N.	16	0	2-4	.....	.07	Fair.
*Portland, Oreg	30.25	42	58	N. W.	5	Hazy	Hazy	.....	.....	Fair.
Punta Rassa, Fla	30.08	71	75	S. E.	8	0	2-4	S. W.	.....	Fair.
Quebec, Canada	29.93	35	100	E.	9	4-4	.....	.....	.....	Cloudy.
Rochester, N. Y	29.74	44	48	N. E.	4	0	0	.....	.....	Clear.
*San Diego, Cal	30.00	58	48	Calm.	0	0	0	.....	.....	Clear.
*San Francisco, Cal	30.08	53	79	N.	1	0	0	.....	.....	Clear.
*Santa Fé, N. Mex	29.99	26	29	N.	16	0	0	.....	.....	Clear.
Saugeen, Canada	29.99	36	80	N. W.	1	0	0	.....	.....	Clear.
Savannah, Ga	29.04	62	94	S.	4	4-4	.....	.....	.16	Light rain.
*Shreveport, La	30.14	49	57	W.	8	0	0	.....	.....	Clear.
Saint Louis, Mo	29.76	42	57	S.	16	Hazy	2-4	S.	.....	Fair.
Saint Paul, Minn	29.73	46	75	N. E.	16	4-4	.....	.....	.69	Cloudy.
Toledo, Ohio	29.91	47	54	S. E.	10	0	2-4	S. W.	.....	Fair.
Toronto, Canada	29.98	45	46	N.	10	0	1-4	.....	.....	Clear.
*Vicksburg, Miss	30.10	54	73	N. W.	8	0	2-4	S. W.	.02	Fair.
Virginia City, Mont	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Washington, D. C	29.94	52	35	N. W.	11	0	0	.....	.....	Clear.
Wilmington, N. C	29.97	62	62	W.	8	Smoky	0	.....	.....	Clear.
*Yankton, Dak	29.83	21	96	N. W.	44	4-4	.....	.....	.13	Heavy snow.

WAR DEPARTMENT WEATHER MAP.
SIGNAL SERVICE, U.S. ARMY.
Division of Telegrams and Reports for the Benefit of Commerce and Agriculture
Washington, Tuesday, April 15, 1873.—7.35 A. M.
All Observations made at the same moment of actual (not local) time
LOW
LOW
HIGH
REFERENCES
CLEAR
CLOUDY
SNOW
FAIR
RAIN
Note
Isobarometric lines
Isothermal
Portland
Benton
Virginia City
Humboldt City
San Francisco
Cranque
Denver
Leavenworth
St. Louis
Cairo
Louisville
Cincinnati
Pittsburgh
Philadelphia
New York
Boston
Portland
Quebec
Montreal
Kingston
Oswego
Buffalo
Chicago
Milwaukee
Green Bay
Marquette
Duluth
St. Paul
Omaha
Yankton
Breckenridge
Fort Sully
Pembina
Indianapolis
Columbus
Wheeling
Norfolk
Lynchburg
Knoxville
Nashville
Memphis
Little Rock
Huntsville
Atlanta
Augusta
Charleston
Savannah
Jacksonville
Mobile
New Orleans
Vicksburg
Montgomery
Galveston
Waco
Indianola
Brownsville
Santa Fe
Fort Hudson
Fort Dion
Bermuda
Havana
West
Point Rosa
ST DOMINGO
PUBLISHED BY ORDER OF THE SECRETARY OF WAR
BRIG. GEN. A. MYER, CHIEF SIGNAL OFFICER, U.S.A.

WASHINGTON, D. C.,
TUESDAY, *April* 15, 1873—7.35 *a. m.*

SYNOPSIS.

The storm-centre, that was Monday morning on the coast of Maine, has moved northeastward beyond our stations. That which was in Nebraska has moved very slowly into Iowa. The highest pressure is over Florida. North and northwest winds, with partly cloudy weather, are now reported from New England, and clear weather from the Middle Atlantic States. Clear weather and light winds prevail on the Lower Lakes and thence to North Carolina. Southerly winds, with cloudy and rainy weather, are reported from the South Atlantic and Eastern Gulf States. Fresh southerly winds prevail over Missouri and Illinois, and brisk southeast winds, with threatening weather, on Lake Michigan. Cold northerly gales, with snow, have prevailed over Nebraska, Dakota, and Western Minnesota, and probably throughout the Upper Missouri Valley.

PROBABILITIES.

For the rest of Tuesday in New England, light and fresh northerly winds and clear weather. For the Middle States, falling barometer, northeast and southeast winds, rising temperature, partly cloudy and hazy weather. For the South Atlantic States, rising temperature, cloudy and rainy weather. For the Western Gulf States, rising barometer and northerly winds. For the Ohio Valley, increasing southerly winds, threatening and rainy weather. For the Upper Lakes, brisk easterly winds and rain, except for Lake Superior, where north and northeast winds are more probable. The storm in Iowa extend eastward over Illinois and Wisconsin.

Cautionary signals continue at Duluth, Milwaukee, Chicago, and Grand Haven, and are ordered for Detroit, Toledo, and Cleveland.

FACTS—4.35 P. M., (*following the above "Probabilities."*)

WIND AND WEATHER.

(1.) *Clear.*—At Montreal, wind N., light; Alpena, Cape May, and Toronto, wind E., fresh; Kingston and Saugeen, wind NE., fresh; Buffalo and Escanaba, wind E., brisk; Oswego, wind SE., brisk; New York, wind N., brisk; Vicksburg, wind W., brisk.

(2.) *Fair.*—At Burlington, wind N., gentle; Boston and Marquette, wind NE., gentle; Stanley, wind E., gentle; Indianapolis, wind S., gentle; Baltimore, Cleveland, and Philadelphia, wind NE., fresh; Lynchburg, wind S., fresh; Louisville, Wilmington, Nashville, and Memphis, wind SW., fresh; Key West, wind SE., fresh; Indianola, wind NW., fresh; New Orleans, wind W., fresh; Norfolk, Rochester, and Washington, wind E., fresh; Portland, Me., wind N., fresh; Dover, Duluth, and Quebec, wind NE., brisk; Punta Rassa, wind S., brisk; Shreveport, wind NW., brisk; New London, wind N., brisk.

(3.) *Cloudy.*—At Mobile, calm; Cincinnati, wind SE., light; Montgomery, wind SW., gentle; Chicago, wind N., fresh; Augusta, Charleston, Jacksonville, Lake City, Cairo, and Knoxville, wind SW., fresh; Galveston and La Crosse, wind NE., fresh; Davenport, wind SE., fresh; Eastport, wind N., fresh; Pittsburgh, wind E., fresh; Savannah, wind S., fresh; Detroit, Saint Paul, and Toledo, wind E., brisk; Fort Gibson, wind W., brisk; Leavenworth, wind NW., brisk; Saint Louis, wind SW., brisk.

(4.) *Rainy.*—At Milwaukee, wind NE., gentle; Keokuk, wind SE., fresh; Omaha, wind N., brisk.

GENERAL REMARKS AS TO VERIFICATIONS.

The above "Probabilities" were generally verified, except "for the rest of Tuesday in New England, light and fresh winds and clear weather," "for the Middle States, falling barometer and rising temperature," and "for the Upper Lakes, rain," partly verified.

WASHINGTON, D. C.,
TUESDAY, *April* 15, 1873—4.35 *p. m.*

SYNOPSIS.

The storm-centre, that was Monday afternoon approaching the coast of Maine, has moved northeastward beyond our stations. That in the Missouri Valley has moved eastward into Illinois, and a second area of low barometer has apparently developed in West Virginia and North Carolina. Northerly winds and partly cloudy and clearing weather are reported from New England. Northeasterly winds and generally clear weather have prevailed in the Middle Atlantic States; southwesterly winds, cloudy weather, and light rain in the South Atlantic States. Northerly gales in Texas have diminished to fresh and brisk northwest winds, with rising temperature. Southwest and southeast winds, with cloudy weather and occasional light rain, are reported from the Ohio Valley. Fresh to brisk northeast winds from Lake Erie and the Upper Lakes and Wisconsin, with rain in the latter State. Cold northerly winds, with rain or snow, apparently prevail over Kansas and Nebraska, with rising barometer. No reports have been received since Monday afternoon from Western Minnesota, Dakota, and the Rocky Mountain stations. At that time a severe snow-storm was prevailing in Dakota and Nebraska. The rivers have fallen at Pittsburgh and Omaha, and risen at Cairo and Saint Paul.

PROBABILITIES.

The area of lowest barometer extend on Wednesday slowly eastward over the Ohio Valley and Michigan, and a second barometric depression develop on the Middle Atlantic coast. For New England and the Middle States, northeasterly winds and generally cloudy weather; for the South Atlantic States, southwesterly winds and cloudy weather; for the Gulf States, northwesterly winds, partly cloudy and clearing weather; for the Ohio Valley, winds veer to southwest and west, cloudy weather, and possibly rain; for the Lake region, generally increasing northeasterly winds, cloudy and rainy weather.

Cautionary signals continue at Duluth, Milwaukee, Chicago, Grand Haven, Detroit, Toledo, Cleveland, and are ordered for Buffalo.

FACTS—11 P. M., (*following the above "Probabilities."*)

WIND AND WEATHER.

(1.) *Clear.*—At Quebec, calm; Oswego and Philadelphia, wind E., light; Cincinnati, wind N., light; Galveston, wind NW., gentle; Kingston, wind NE., gentle; Nashville, wind W., gentle; Buffalo, Rochester, and Toronto, wind E., fresh; Portland, Me., wind NE., fresh; New York, Shreveport, and Marquette, wind NW., fresh; Memphis, wind SW., fresh.

(2.) *Fair.*—At Burlington, wind N., light; Baltimore, wind E., gentle; Charleston, wind SW., gentle; Dover, wind NE., fresh; Washington, wind E., fresh; Wilmington, wind S., fresh; New Orleans, wind SW., fresh; Keokuk and Norfolk, wind SE., fresh; Escanaba, wind NE., brisk; Toledo, wind E., brisk.

(3.) *Cloudy.*—At Chicago, Indianapolis, and Mobile, calm; Cairo, wind SW., light; Montreal, wind NE., light; Boston, wind N., gentle; Montgomery and Savannah, wind S., gentle; Saint Louis, wind SW., gentle; Augusta, wind SW., fresh; Louisville, Leavenworth, and New London, wind NW., fresh; Milwaukee, wind NE., fresh; Saint Paul, wind N., fresh; Stanley, wind E., fresh; Detroit, wind E., brisk; Cleveland and Lynchburg, wind NE., brisk.

(4.) *Rainy.*—At Davenport, wind S., light; La Crosse, wind NE., fresh; Pittsburgh, wind SE., fresh.

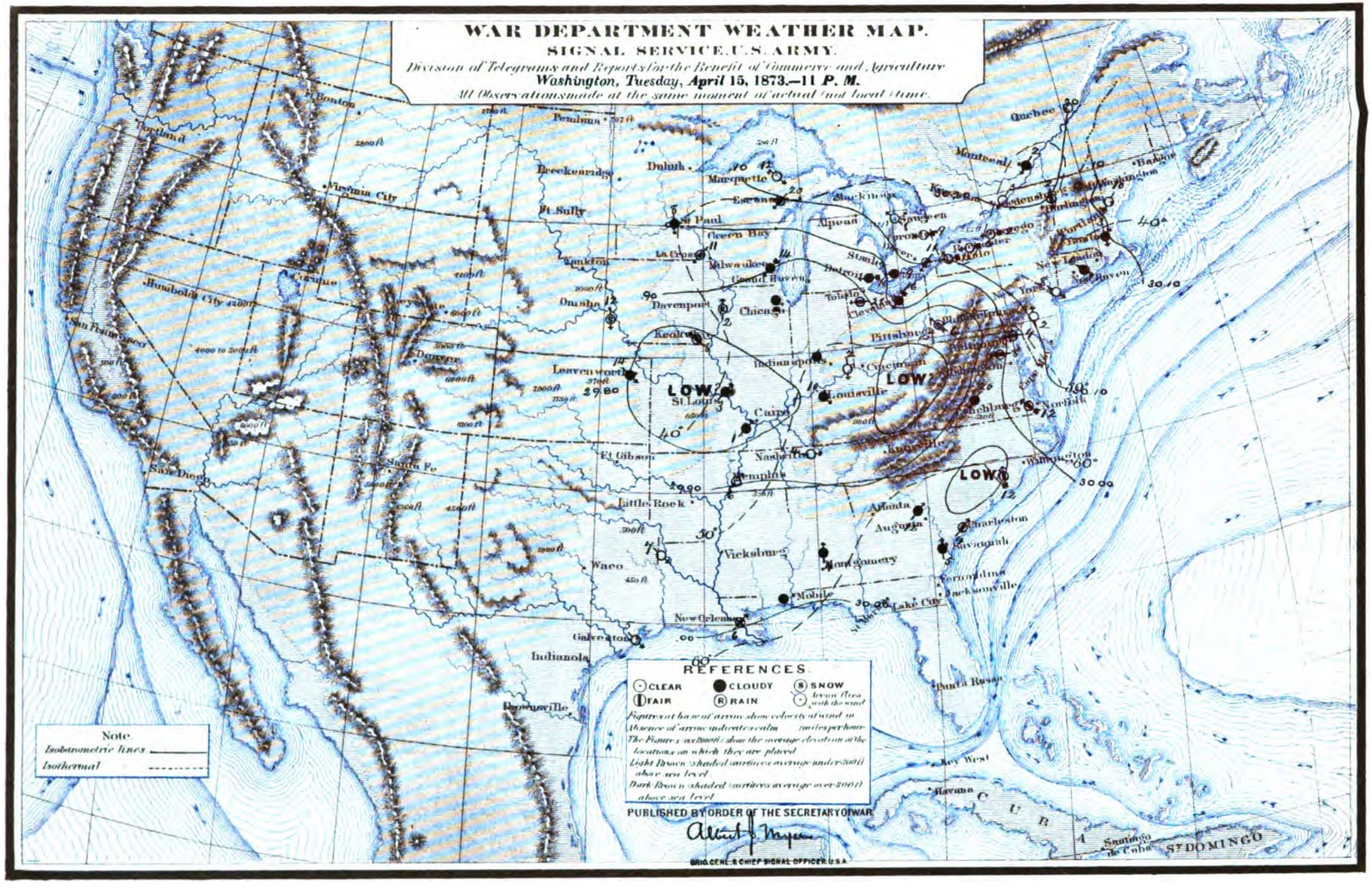
(5.) *Snowy.*—At Omaha, wind N., fresh.

GENERAL REMARKS AS TO VERIFICATIONS.

The above "Probabilities" were generally verified, except "for New England, northeasterly winds and generally cloudy weather," and "for the Middle States, generally cloudy weather," partly verified; "cautionary signal at Buffalo," not verified.

METEOROLOGICAL RECORD, APRIL 15, 1873—11 P. M.

Place of observation.	Barometer.	Thermometer.	Relative humidity, per cent.	Wind.		Clouds.			Rain-fall in last 8 hours.	State of the weather.
				Direction.	Velocity.	Amount of lower.	Amount of upper.	Direction of upper.		
*Alpena, Mich	30.09	39	73	E.	16	1-4	0	.....	.....	Fair.
Augusta, Ga	29.91	68	91	S. W.	12	4-4	.....	.....	.....	Threatening.
Baltimore, Md	30.08	51	53	E.	4	Hazy..	1-4	W.	.....	Fair.
Boston, Mass	30.11	44	68	N.	3	2-4	2-4	N. W.	.....	Cloudy.
*Breckenridge, Minn	30.22	26	75	N.	24	0	0	.....	.03	Clear.
Buffalo, N. Y	30.00	40	73	E.	12	0	1-4	S. E.	.....	Clear.
Burlington, Vt	30.17	38	71	N.	2	2-4	0	.....	.....	Fair.
Cairo, Ill	29.86	47	61	S. W.	1	4-4	.....	.....	.....	Cloudy.
*Cape May, N. J	30.11	46	69	E.	4	0	0	.....	.....	Clear.
Charleston, S. C	29.92	67	89	S. W.	4	0	Hazy..	.....	.....	Fair.
*Cheyenne, Wyo	30.16	23	60	N. W.	20	0	0	.....	.....	Clear.
Chicago, Ill	29.86	43	93	Calm.	0	0	4-4	.....	.....	Cloudy.
Cincinnati, Ohio	29.82	55	87	N.	2	0	0	.....	.....	Clear.
Cleveland, Ohio	29.88	42	83	N. E.	16	4-4	.....	.....	.15	Cloudy.
*Corinne, Utah	30.29	47	26	Calm.	0	0	0	.....	.....	Clear.
Davenport, Iowa	29.84	42	83	S.	2	4-4	.....	.....	.02	Light rain.
*Denver, Colo	30.24	31	38	N.	7	0	0	.....	.....	Clear.
Detroit, Mich	29.91	44	76	E.	16	4-4	.....	.....	.01	Threatening.
*Duluth, Minn	30.15	43	42	N. E.	20	3-4	0	.....	.....	Fair.
*Eastport, Me	30.00	34	79	N.	20	4-4	.....	.....	.....	Light rain.
Escanaba, Mich		41	59	N. E.	20	0	0	.....	.....	Fair.
*Fort Benton, Mont	30.35	46	13	E.	26	0	0	.....	.....	Clear.
*Fort Garry, Manitoba	30.42	30	61	N. E.	7	1-4	0	.....	.....	Clear.
*Fort Gibson, Ind. T	30.09	40	48	W.	12	Hazy..	0	.....	.....	Clear.
*Fort Sully, Dak	30.44	27	76	N.	46	4-4	.....	.....	.30	Light snow.
Galveston, Tex	30.17	60	44	N. W.	5	0	0	.....	.....	Clear.
*Grand Haven, Mich	29.87	45	75	N. E.	11	4-4	.....	.....	.....	Cloudy.
Indianapolis, Ind	29.85	53	56	Calm.	0	4-4	.....	.....	.....	Cloudy.
*Indianola, Tex	30.21	59	43	N. W.	4	0	0	.....	.....	Clear.
*Jacksonville, Fla	30.00	71	75	S. W.	16	4-4	.....	.....	.02	Cloudy.
Keokuk, Iowa	29.79	38	90	S. E.	8	2-4	0	.....	.06	Clearing.
*Key West, Fla	30.05	77	76	S. E.	6	4-4	.....	.....	.04	Cloudy.
Kingston, Canada	30.16	40	80	N. E.	3	0	0	.....	.....	Clear.
*Knoxville, Tenn	29.82	58	87	S.	8	4-4	Hazy..	.....	.....	Cloudy.
La Crosse, Wis	29.98	41	84	N. E.	11	4-4	.....	.....	.05	Light rain.
*Lake City, Fla	29.94	64	94	N. W.	2	4-4	.....	.....	.20	Cloudy.
Leavenworth, Kans	29.76	33	89	N. W.	14	4-4	.....	.....	.01	Cloudy.
Louisville, Ky	29.83	53	48	N. W.	10	4-4	.....	.....	.....	Cloudy.
Lynchburg, Va	29.95	57	36	N. E.	20	4-4	.....	.....	.....	Cloudy.
Marquette, Mich	30.14	38	72	N. W.	12	0	0	.....	.....	Clear.
Memphis, Tenn	29.95	49	43	N. W.	6	0	0	.....	.....	Clear.
Milwaukee, Wis	29.86	42	83	N. E.	14	4-4	.....	.....	.10	Cloudy.
Mobile, Ala	30.01	57	93	Calm.	0	4-4	.....	.....	.....	Threatening.
Montgomery, Ala	29.94	60	82	S.	4	4-4	.....	.....	.....	Cloudy.
Montreal, Canada	30.20	42	66	N. E.	2	0	2-4	N. E.	.....	Cloudy.
*Mount Washington, N. H	30.00	21	85	N.	56	4-4	.....	.....	.....	Cloudy.
Nashville, Tenn	29.88	52	54	W.	4	1-4	0	.....	.....	Clear.
New London, Conn	30.12	45	61	N. W.	6	4-4	.....	.....	.....	Cloudy.
*New Orleans, La	30.01	60	70	S. W.	6	2-4	0	.....	.....	Fair.
New York, N. Y	30.13	46	54	N. W.	8	0	0	.....	.....	Clear.
Norfolk, Va	30.02	53	63	S. E.	12	0	Hazy..	.....	.....	Fair.
Omaha, Nebr	29.88	36	100	N.	12	4-4	.....	.....	.10	Light snow.
Oswego, N. Y	30.16	42	72	E.	2	0	0	.....	.....	Clear.
*Pembina, Dak	30.45	30	89	N.	17	4-4	.....	.....	.....	Cloudy.
Philadelphia, Pa	30.13	46	69	S.	2	0	0	.....	.....	Clear.
Pittsburgh, Pa	29.84	57	69	S. E.	6	4-4	.....	.....	.....	Light rain.
Port Dover, Canada	30.05	43	59	N. E.	71	0	2-4	N. E.	.....	Fair.
Port Stanley, Canada	30.01	43	79	E.	9	4-4	.....	.....	.....	Cloudy.
Portland, Me	30.02	40	73	N. E.	10	0	0	.....	.....	Clear.
*Portland, Oreg	30.10	65	26	N. W.	3	0	1-4	.....	.....	Fair.
*Punta Rassa, Fla	30.04	75	85	S.	12	3-4	0	.....	.....	Fair.
Quebec, Canada	30.17	39	100	Calm.	0	0	0	.....	.....	Clear.
Rochester, N. Y	30.12	40	61	E.	6	0	0	.....	.....	Clear.
*San Diego, Cal	30.02	68	23	N.	1	0	0	.....	.....	Clear.
*San Francisco, Cal	30.08	65	39	S. W.	4	0	0	.....	.....	Hazy.
*Santa Fé, N. Mex	29.86	54	52	N.	2	0	0	.....	.....	Clear.
Saugeen, Canada	30.11	42	66	S. E.	8	1-4	0	.....	.....	Clear.
Savannah, Ga	29.94	67	90	S.	5	4-4	.....	.....	.....	Cloudy.
Shreveport, La	30.06	54	82	N. W.	7	0	0	.....	.....	Clear.
Saint Louis, Mo	29.73	42	57	S. W.	8	4-4	.....	.....	.....	Cloudy.
Saint Paul, Minn	29.99	41	65	N.	8	4-4	.....	.....	.....	Cloudy.
Toledo, Ohio	29.88	44	75	E.	28	3-4	.....	.....	.11	Clearing
Toronto, Canada	30.12	39	78	E.	9	0	0	.....	.....	Clear.
*Vicksburg, Miss	30.04	53	50	W.	8	0	0	.....	.....	Clear.
Virginia City, Mont	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Washington, D. C	30.05	51	52	E.	8	0	1-4	W.	.....	Fair.
Wilmington, N. C	29.94	65	84	S.	12	Hazy..	Hazy..	.....	.....	Fair.
*Yankton, Dak	30.03	21	96	W.	37	4-4	.....	.....	.06	Light snow.


WAR DEPARTMENT WEATHER MAP.
SIGNAL SERVICE, U.S. ARMY.
Division of Telegrams and Reports for the Benefit of Commerce and Agriculture
Washington, Tuesday, April 15, 1873.—11 P. M.
All Observations made at the same moment of actual (not local) time.
LOW
LOW
LOW
Note.
Isobarometric lines
Isothermal
REFERENCES.
CLEAR
CLOUDY
SNOW
FAIR
RAIN
Figures at base of arrow show velocity of wind in miles per hour
Absence of arrow indicates calm
The Figures (as 2000) show the average elevation of the locations on which they are placed
Light Brown shaded surfaces average under 500 ft above sea level
Dark Brown shaded surfaces average over 2000 ft above sea level
PUBLISHED BY ORDER OF THE SECRETARY OF WAR
BRIG. GENL. & CHIEF SIGNAL OFFICER U.S.A.
Boston
Portland
Pembina
Duluth
Marquette
Brookfield
Virginia City
Ft. Sully
St. Paul
Green Bay
Alpena
Yankton
La Crosse
Milwaukee
Grand Haven
Detroit
Toledo
Cleveland
Buffalo
Quebec
Montreal
Portland
Boston
New Haven
New York
Philadelphia
Washington
Norfolk
Pittsburg
Cincinnati
Indianapolis
Chicago
Davenport
Omaha
Keokuk
Leavenworth
St. Louis
Cairo
Louisville
Nashville
Knoxville
Memphis
Ft. Gibson
Little Rock
Vicksburg
Waco
Mobile
New Orleans
Galveston
Indianola
Brownsville
Atlanta
Augusta
Charleston
Savannah
Jacksonville
Lake City
Montgomery
Humboldt City
San Francisco
Sacramento
Denver
Santa Fe
San Diego
Key West
Havana
CUBA
Santiago de Cuba
ST. DOMINGO
Puerto Rico

WASHINGTON, D. C.,
TUESDAY, *April* 15, 1873—11 *p. m.*

SYNOPSIS.

The storm-centre, that was Monday night on the coast of Maine, has moved northeastward beyond our stations. That which was in Iowa is now apparently represented by small barometric depressions in Iowa, Ohio, and North Carolina. The barometer has risen rapidly in New England and the Middle States, where it is now the highest. North and northeast winds, with cool, clear weather, prevail very generally in the Middle Atlantic States, New York, and New England. Southwesterly winds, with threatening weather and light rains, continue in the South Atlantic and Eastern Gulf States. Fresh to brisk northeasterly winds are reported from the Lower Lakes, with rising barometer and falling temperature. The severe norther on the Texas coast has been followed by northwest winds, diminishing to fresh. Southwest winds, with light rain, have prevailed during Tuesday in Missouri and the Ohio Valley.

PROBABILITIES.

The areas of low barometer continue as local storms on Wednesday in the Lake region and the Middle Atlantic States. For New England and the Middle States, northeasterly winds, increasing to brisk, with cloudy and threatening weather on the Middle Atlantic coast. For the South Atlantic States, continued southwesterly winds, with cloudy and threatening weather. For the Lower Lakes, increasing northeasterly winds, cloud, and rain. For Upper Lakes, increasing northeast winds, backing to north. Northerly winds, cloudy weather, and possibly rain or snow extend eastward from Nebraska to the Upper Mississippi Valley.

Cautionary signals continue at Duluth, Chicago, Milwaukee, Grand Haven, Detroit, Toledo, Cleveland, Buffalo, and are ordered for Oswego, Rochester, Wilmington, Norfolk, and Cape May.

FACTS—7.35 A. M., (*following the above "Probabilities."*)

WIND AND WEATHER.

(1.) *Clear.*—At Galveston and Quebec, calm; Burlington, wind N., light; Montreal, wind NE., light; Mobile, wind W., gentle; Montgomery, wind SW., gentle; Eastport and Portland, Me., wind N., fresh; Memphis, wind SW., fresh; New Orleans, wind W., fresh.

(2.) *Fair.*—At Indianapolis, calm; Knoxville, wind SW., gentle; Boston, Grand Haven, Kingston, and New York, wind NE., fresh; Key West, wind S., fresh; Rochester, wind SE., fresh; Nashville, wind SW., fresh; Shreveport, wind W., fresh; Cleveland, wind E., brisk; New London, wind NE., brisk.

(3.) *Cloudy.*—At Oswego, calm; Wilmington, wind SE., light; Louisville, wind SE., gentle; Augusta and Savannah, wind SW., gentle; Buffalo, Cape May, Keokuk, and Saugeen, wind E., fresh; Charleston, wind SW., fresh; Chicago, La Crosse, Milwaukee, Philadelphia, and Stanley, wind NE., fresh; Punta Rassa, wind S., fresh; Pittsburgh, wind SE., fresh; Alpena, Toledo, and Toronto, wind E., brisk; Duluth, wind NE., brisk; Saint Paul, wind N., brisk.

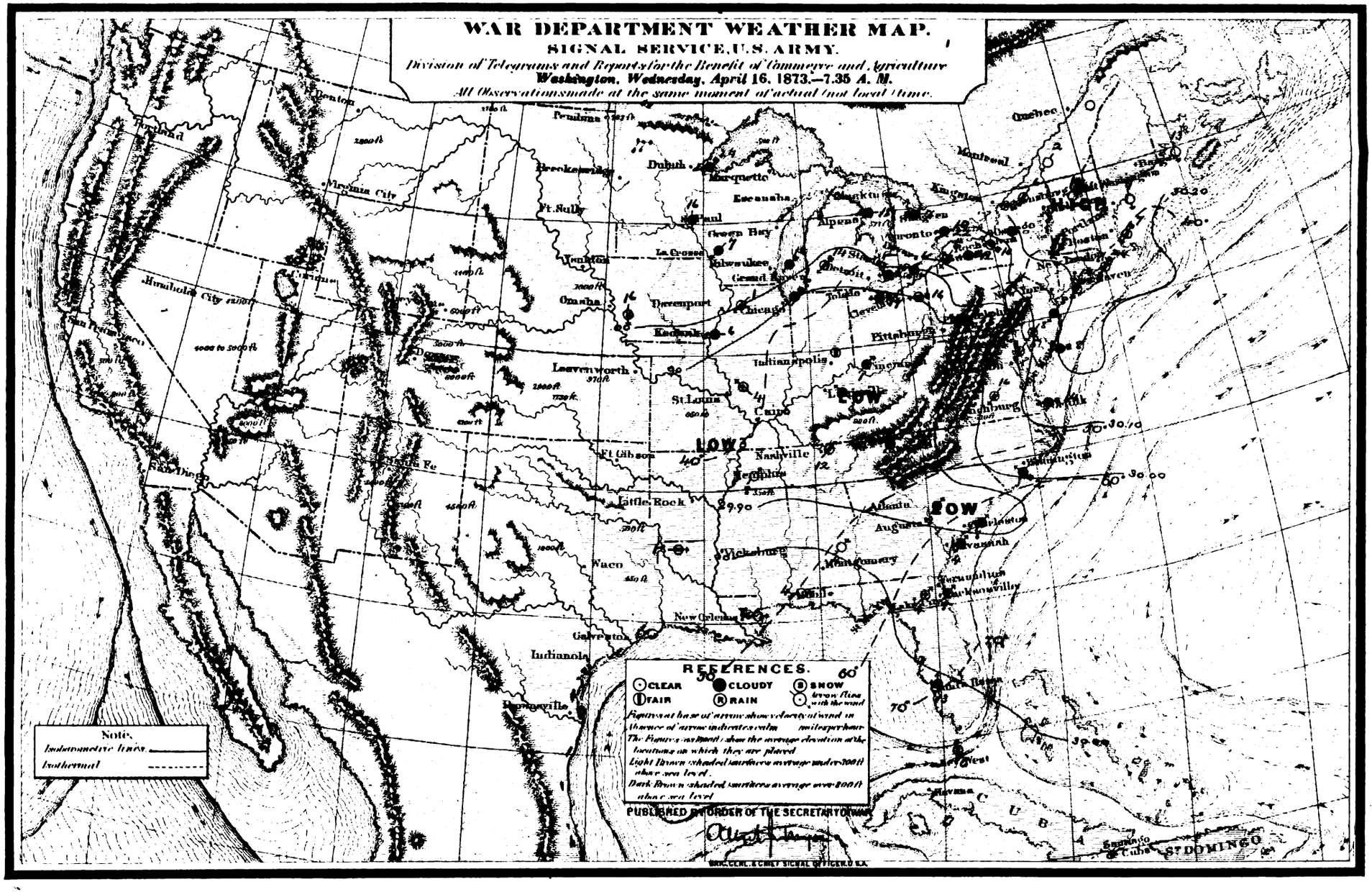
(4.) *Rainy.*—At Davenport, wind NE., light; Cincinnati, wind SW., light; Dover and Washington, wind NE., gentle; Lake City, wind SW., gentle; Saint Louis, wind SE., gentle; Baltimore, wind NE., fresh; Jacksonville, wind SW., fresh; Lynchburg, wind NE., brisk; Omaha, wind N., brisk.

GENERAL REMARKS AS TO VERIFICATIONS.

The above "Probabilities" were generally verified, except "with cloudy and threatening weather on the Middle Atlantic coast," partly verified; "cautionary signals at Buffalo, Rochester, and Oswego," not verified.

METEOROLOGICAL RECORD, APRIL 16, 1873—7.35 A. M.

Place of observation.	Barometer.	Thermometer.	Relative humidity, per cent.	Wind.		Clouds.			Rain-fall in last 8 hours.	State of the weather.
				Direction.	Velocity.	Amount of lower.	Amount of upper.	Direction of upper.		
Alpena, Mich	30.09	39	73	E.	18	4-4				Cloudy.
Augusta, Ga	29.91	63	83	S. W.	4	4-4				Threatening.
Baltimore, Md	30.19	45	77	N. E.	8	4-4				Light rain.
Boston, Mass	30.22	46	47	N. E.	7	Hazy	4-4	N. W.		Fair.
*Breckenridge, Minn	30.31	24	81	N.	30	4-4				Cloudy.
Buffalo, N. Y	30.00	44	63	E.	17	2-4	2-4	W.		Cloudy.
Burlington, Vt	30.25	37	53	N.	1	0	0			Clear.
*Cairo, Ill	29.84	40	83	W.	4	4-4			.01	Light rain.
Cape May, N. J	30.15	46	61	E.	8	4-4				Threatening.
Charleston, S. C	29.95	67	89	S. W.	8	4-4				Cloudy.
*Cheyenne, Wyo	30.16	21	71	N. W.	12	1-4	1-4			Fair.
Chicago, Ill	29.87	41	82	N. E.	8	4-4				Cloudy.
Cincinnati, Ohio	29.84	53	67	S. W.	1	4-4				Light rain.
Cleveland, Ohio	29.82	51	65	E.	16	1-4	2-4	E.		Fair.
*Corinne, Utah	30.26	29	56	N. W.	5	0	0			Clear.
Davenport, Iowa	29.88	40	82	N. E.	1	4-4				Light rain.
*Denver, Colo	30.26	28	77	S. W.	6	4-4				Cloudy.
Detroit, Mich	29.83	44	92	E.	15	4-4				Threatening.
Duluth, Minn	30.29	36	76	N. E.	24	4-4				Cloudy.
Eastport, Me	30.16	37	62	N.	13	0	0			Clear.
*Escanaba, Mich		37	71	N.	12	1-4	1-4			Fair.
*Fort Benton, Mont	30.32	32	55	E.	11	0	0			Clear.
*Fort Garry, Manitoba	30.41	25	80	E.	10	1-4	1-4	E.		Fair.
*Fort Gibson, Ind. T	30.08	35	63	W.	8	4-4				Cloudy.
*Fort Sully, Dak	30.50	25	75	N.	26	4-4			.04	Cloudy.
*Galveston, Tex	30.18	55	62	Calm.	0	0	0			Clear.
Grand Haven, Mich	29.86	42	83	N. E.	14	2-4	1-4	N. E.		Fair.
Indianapolis, Ind	29.83	46	73	Calm.	0	Hazy	3-4	S. E.		Fair.
*Indianola, Tex	30.23	53	54	N.	12	0	1-4	S. W.		Fair.
Jacksonville, Fla	29.97	66	89	S. W.	8	4-4			.03	Light rain.
Keokuk, Iowa	29.81	38	81	E.	6	4-4			.02	Threatening.
Key West, Fla	30.01	78	82	S.	6	Hazy	1-4	S.		Fair.
Kingston, Canada	30.26	25	85	N. E.	6	0	2-4			Fair.
Knoxville, Tenn	29.91	49	71	S. W.	4	0	1-4			Clear.
La Crosse, Wis	30.00	47	82	N. E.	7	Hazy			.04	Cloudy.
Lake City, Fla	29.98	64	100	S. W.	4	4-4			.12	Light rain.
*Leavenworth, Kans	29.81	36	80	N.	11	4-4				Cloudy.
Louisville, Ky	29.83	48	63	S. E.	3	Smoky	4-4			Cloudy.
Lynchburg, Va	30.03	44	87	N. E.	16	4-4			.90	Light rain.
*Marquette, Mich	30.23	34	79	N.	4	1-4	3-4	E.		Cloudy.
Memphis, Tenn	29.94	44	54	S. W.	8	Hazy	0			Clear.
Milwaukee, Wis	29.85	36	95	N. E.	12	3-4	1-4	N. E.	.05	Threatening.
Mobile, Ala	30.09	52	86	W.	4	0	0			Clear.
Montgomery, Ala	30.01	52	79	S. W.	4	0	0			Clear.
Montreal, Canada	30.26	37	71	N. E.	2	0	0			Clear.
*Mount Washington, N. H	30.11	20	85	N. W.	53	0	0			Clear.
Nashville, Tenn	29.87	49	44	S. W.	12	Hazy	2-4	S. W.		Fair.
New London, Conn	30.19	43	70	N. E.	24	0	1-4			Fair.
New Orleans, La	30.10	51	58	W.	6	0	Hazy			Clear.
New York, N. Y	30.19	45	62	N. E.	14	Smoky	2-4	W.		Fair.
Norfolk, Va	30.06	51	65	E.	14	4-4				Cloudy.
Omaha, Nebr	29.94	38	100	N.	16	4-4			.14	Light rain.
Oswego, N. Y	30.18	45	67	Calm.	0	4-4				Cloudy.
*Pembina, Dak	30.47	25	87	N.	12	4-4				Cloudy.
Philadelphia, Pa	30.21	43	71	N. E.	8	4-4				Cloudy.
Pittsburgh, Pa	30.02	46	69	S. E.	10	4-4			.10	Cloudy.
Port Dover, Canada	30.03	41	82	N. E.	5	4-4			.06	Light rain.
Port Stanley, Canada	29.99	44	89	N. E.	6	4-4			.02	Cloudy.
Portland, Me	30.19	43	43	N.	8	0	0			Clear.
*Portland, Oreg	30.10	50	72	Calm.	0	Hazy	Hazy			Fair.
Punta Rassa, Fla	30.03	76	81	S.	13	2-4	2-4			Cloudy.
Quebec, Canada	30.24	45	93	Calm.	0	0	0			Clear.
Rochester, N. Y	30.14	39	64	S. E.	0	2-4	2-4			Fair.
*San Diego, Cal	30.02	56	43	Calm.	0	0	1-4	N. W.		Fair.
*San Francisco, Cal	30.05	57	69	Calm.	0	4-4				Cloudy.
*Santa Fé, N. Mex	29.87	29	34	Calm.	0	0	0			Clear.
Saugeen, Canada	30.07	40	64	E.	7	1-4	3-4	E.		Cloudy.
Savannah, Ga	29.95	66	90	S. W.	4	4-4				Cloudy.
Shreveport, La	30.09	46	47	W.	12	Smoky	0			Fair.
Saint Louis, Mo	29.84	37	80	S. E.	4	4-4				Light rain.
Saint Paul, Minn	30.12	37	81	N.	16	4-4				Cloudy.
Toledo, Ohio	29.85	41	83	E.	17	4-4				Cloudy.
Toronto, Canada	30.09	39	75	E.	22	4-4				Cloudy.
*Vicksburg, Miss	30.06	49	62	S. W.	8	0	0			Clear.
Virginia City, Mont										
Washington, D. C	30.18	44	84	N. E.	5	4-4			.07	Light rain.
Wilmington, N. C	29.91	66	84	S. E.	2	2-4	2-4			Cloudy.
*Yankton, D. T	30.14	27	92	N.	28	4-4			.08	Light snow.


WAR DEPARTMENT WEATHER MAP.
SIGNAL SERVICE, U.S. ARMY.
Division of Telegrams and Reports for the Benefit of Commerce and Agriculture
Washington, Wednesday, April 16, 1873.—7.35 A. M.
All Observations made at the same moment of actual (not local) time.
Duluth
Marquette
Escanaba
Green Bay
La Crosse
Milwaukee
Chicago
Omaha
Davenport
Keokuk
Leavenworth
St. Louis
Cairo
Indianapolis
Pittsburg
Cleveland
Detroit
Toronto
Alpena
Montreal
Quebec
Boston
New Haven
New York
Philadelphia
Washington
Lynchburg
Norfolk
Wilmington
Charleston
Savannah
Augusta
Atlanta
Nashville
Memphis
Little Rock
Fort Gibson
Vicksburg
Montgomery
Mobile
Pensacola
New Orleans
Galveston
Waco
Indianola
Brownsville
Fort Ellis
Fort Benton
Virginia City
Humboldt City
San Diego
Fort Yuma
Santa Fe
Fort Sully
Breckenridge
Yankton
Pembina
LOW
LOW
LOW
LOW
29.90
30.00
30.10
30.20
CUBA
ST. DOMINGO
Havana
Key West
Nassau
REFERENCES.
CLEAR
CLOUDY
SNOW
FAIR
RAIN
Arrow flies with the wind
Figures at base of arrow show velocity of wind in miles per hour
The Figures (underlined) show the average elevation of the locations on which they are placed
Light Brown shaded surfaces average under 500 ft above sea level.
Dark Brown shaded surfaces average over 500 ft above sea level
Notes.
Barometric lines
Isothermal
PUBLISHED BY ORDER OF THE SECRETARY OF WAR
BRIG. GENL. & CHIEF SIGNAL OFFICER U.S.A.

WASHINGTON, D. C.,
WEDNESDAY, *April* 16, 1873—7.35 *a. m.*

SYNOPSIS.

The storm-centre, that was Tuesday morning in Iowa, is now represented by a very general slight barometric depression, with cloudy and rainy weather, over Missouri, Illinois, and the Ohio Valley. The barometer has risen rapidly in the Northwest and the Southwest. An area of high pressure has also extended southward over the Middle and Eastern States. Northeasterly winds, increasing to brisk, are reported from the Middle and East Atlantic coast and the entire Lake region. Southwesterly winds prevail throughout the Southern States. The temperature has risen slightly on the South Atlantic coast, and fallen over the Upper Lakes. Clear or partly cloudy weather prevails in the Western Gulf States and in New England. Elsewhere cloudy and threatening weather, and rain in Virginia, Maryland, Illinois, and Iowa.

PROBABILITIES.

The low barometer in Indiana extend northeastward during the rest of Wednesday toward the Lower Lakes. That in North Carolina extend eastward beyond Cape Hatteras. For New England, increasing northeasterly winds, followed by cloudy and threatening weather. For the Middle States, continued northeast winds, cloudy and rainy weather. For the South Atlantic States, southwesterly winds, cloudy and rainy weather. For the Gulf States, westerly winds and rising temperature, with increasing cloudiness. For the Lake region, generally continued northeasterly winds, with cold, cloudy, and rainy weather.

Reports are very generally missing from the Northwest, and Southwest, and Rocky Mountain stations.

Cautionary signals continue at Duluth, Milwaukee, Chicago, Grand Haven, Detroit, Toledo, Cleveland, Buffalo, Rochester, Oswego, Wilmington, Norfolk, and Cape May, and are ordered for New York, New Haven, New London, Wood's Hole, and Boston.

FACTS—4.35 P. M., (*following the above "Probabilities."*)

WIND AND WEATHER.

(1.) *Clear.*—At Eastport, calm; Montreal, wind S., light; Montgomery, wind W., gentle; Quebec, wind NE., gentle; Augusta and Indianola, wind S., fresh; Mobile and New Orleans, wind W., fresh; Savannah, wind SW., fresh; Duluth, wind NE., brisk.

(2.) *Fair.*—At Burlington, wind W., light; Boston, wind E., gentle; Charleston and Cincinnati, wind SW., fresh; Key West and Jacksonville, wind W., fresh; Galveston and Lake City, wind NW., fresh; Portland, Me., wind S., fresh; Kingston, wind E., fresh; Wilmington, wind SW., brisk; Knoxville, Shreveport, and Vicksburg, wind W., brisk; New London, wind SE., brisk; Saint Paul, wind N., brisk.

(3.) *Cloudy.*—At Louisville, wind SW., gentle; Pittsburgh, wind SE., gentle; Oswego, Rochester, Dover, Stanley, and Saugeen, wind E., fresh; Punta Rassa, wind NW., fresh; Cairo, Memphis, and Saint Louis, wind W., fresh; Chicago and Leavenworth, wind N., fresh; Indianapolis and Nashville, wind SW., fresh; Buffalo and New York, wind SE., fresh; Alpena, Cape May, Detroit, and Toronto, wind E., brisk; Fort Gibson, wind W., brisk.

(4.) *Rainy.*—At Baltimore, Cleveland, and Grand Haven, wind E., fresh; Davenport, Lynchburg, Milwaukee, and Toledo, wind NE., fresh; Philadelphia, wind SE., brisk; Washington and Norfolk, wind E., brisk; Omaha, wind N., brisk.

GENERAL REMARKS AS TO VERIFICATIONS.

The above "Probabilities" were generally verified, except "for New England, increasing northeasterly winds," and "for the South Atlantic States, cloudy and rainy weather," partly verified; "for the Gulf States, increasing cloudiness," and "cautionary signals at Buffalo, Rochester, Oswego, and Boston," not verified.

METEOROLOGICAL RECORD, APRIL 16, 1873—4.35 P. M.

Place of observation.	Barometer.	Thermometer.	Relative humidity, per cent.	Wind.		Clouds.			Rain-fall in last 8 hours.	State of the weather.
				Direction.	Velocity.	Amount of lower.	Amount of upper.	Direction of upper.		
Alpena, Mich	30.01	43	59	E.	22	4-4	.....	.....	.....	Cloudy.
Augusta, Ga	29.83	73	28	S.	8	0	0	.....	.....	Clear.
Baltimore, Md	30.11	46	77	E.	8	4-4	.....	.....	.27	Light rain
Boston, Mass	30.20	48	43	E.	5	Hazy..	2-4	W.	.....	Fair.
*Breckenridge, Minn	30.23	33	75	N.	25	0	0	.....	.....	Clear.
Buffalo, N. Y	29.93	47	62	S. E.	8	4-4	.....	.....	.01	Threatening.
Burlington, Vt	30.15	51	45	W.	2	0	3-4	W.	.....	Fair.
Cairo, Ill	29.92	44	53	W.	6	2-4	2-4	W.	.....	Cloudy.
Cape May, N. J	30.12	44	75	E.	16	4-4	.....	.....	.....	Threatening.
Charleston, S. C	29.81	74	63	S. W.	12	0	1-4	W.	.....	Fair.
*Cheyenne, Wyo	30.13	39	27	N.	12	0	0	.....	.....	Clear.
Chicago, Ill	29.83	40	82	N.	13	4-4	.....	.....	.05	Cloudy.
Cincinnati, Ohio	29.82	53	32	S. W.	6	Smoky	3-4	E.	.09	Clearing.
Cleveland, Ohio	29.71	50	72	E.	12	4-4	.....	.....	.05	Light rain.
*Corinne, Utah	30.21	63	11	S.	7	0	0	.....	.....	Clear.
Davenport, Iowa	29.88	44	83	N. E.	8	4-4	.....	.....	.03	Light rain.
*Denver, Colo	30.18	46	13	N.	12	0	1-4	N.	.....	Fair.
Detroit, Mich	29.74	46	77	E.	20	4-4	.....	.....	.....	Cloudy.
Duluth, Minn	30.22	41	64	N. E.	24	0	0	.....	.....	Clear.
*Escanaba, Mich	.....	45	53	N.	24	1-4	1-4	E.	.....	Fair.
Eastport, Me	30.14	47	48	Calm.	0	0	0	.....	.....	Clear.
*Fort Benton, Mont	30.02	69	8	E.	22	0	3-4	W.	.....	Fair.
*Fort Garry, Manitoba	30.21	41	56	N.	6	1-4	0	.....	.....	Fair.
Fort Gibson, Ind. T	30.07	48	45	W.	24	4-4	.....	.....	.02	Cloudy.
*Fort Sully, Dak	30.33	41	45	N.	10	1-4	0	.....	.....	Fair.
Galveston, Tex	30.12	67	34	N. W.	11	0	Hazy..	.....	.....	Fair.
Grand Haven, Mich	29.81	41	83	E.	11	4-4	.....	.....	.04	Light rain.
Indianapolis, Ind	29.79	53	53	S. W.	8	4-4	.....	.....	.....	Cloudy.
Indianola, Tex	30.14	73	33	S.	7	0	0	.....	.....	Clear.
Jacksonville, Fla	29.92	72	46	W.	12	0	2-4	W.	.12	Fair.
Keokuk, Iowa	29.86	45	61	N.	3	4-4	.....	.....	.02	Cloudy.
Key West, Fla	29.96	81	70	W.	6	Hazy..	2-4	W.	.....	Fair.
Kingston, Canada	30.15	49	50	E.	7	0	2-4	.....	.....	Fair.
Knoxville, Tenn	29.81	60	19	W.	17	Hazy..	1-4	W.	.....	Fair.
*La Crosse, Wis	29.96	47	66	N. E.	7	4-4	.....	.....	.02	Cloudy.
Lake City, Fla	29.93	69	52	N. W.	8	0	2-4	.....	.13	Fair.
Leavenworth, Kans	29.89	43	67	N.	11	4-4	.....	.....	.02	Cloudy.
Louisville, Ky	29.81	53	48	S. W.	4	Smoky	4-4	W.	.....	Cloudy.
Lynchburg, Va	29.92	43	92	N. E.	12	4-4	.....	.....	.27	Light rain.
*Marquette, Mich	30.17	37	71	N. W.	12	0	2-4	N. E.	.....	Fair.
Memphis, Tenn	29.82	47	41	W.	8	3-4	.....	W.	.....	Cloudy.
Milwaukee, Wis	29.83	36	95	N. E.	12	4-4	1-4	.....	.04	Light rain.
Mobile, Ala	30.00	71	29	W.	10	0	0	.....	.....	Clear.
Montgomery, Ala	29.92	67	20	W.	4	0	0	.....	.....	Clear.
Montreal, Canada	30.17	55	50	S.	2	1-4	0	.....	.....	Clear.
*Mount Washington, N. H	30.16	26	88	N. E.	4	0	0	.....	.....	Clear.
Nashville, Tenn	29.84	57	33	S. W.	8	4-4	.....	.....	.....	Cloudy.
New London, Conn	30.20	44	58	S. E.	24	Hazy..	Hazy..	.....	.....	Fair.
New Orleans, La	29.99	67	24	W.	12	0	.....	.....	.....	Clear.
New York, N. Y	30.17	45	61	S. E.	10	4-4	.....	.....	.....	Cloudy.
Norfolk, Va	29.97	48	92	E.	20	4-4	.....	.....	.34	Light rain.
Omaha, Nebr	30.03	40	86	N.	20	4-4	.....	.....	.04	Light rain.
Oswego, N. Y	30.03	53	53	E.	12	4-4	.....	.....	.....	Cloudy.
*Pembina, Dak	30.28	38	71	N. E.	6	0	1-4	.....	.....	Fair.
Philadelphia, Pa	30.13	43	71	S. E.	16	4-4	.....	.....	.04	Light rain.
Pittsburgh, Pa	29.87	45	84	S. E.	5	4-4	.....	.....	.....	Threatening.
Port Dover, Canada	29.95	43	75	E.	11	0	4-4	E.	.03	Cloudy.
Port Stanley, Canada	29.91	45	76	E.	9	4-4	.....	.....	.....	Cloudy.
Portland, Me	30.15	45	53	S.	10	0	1-4	N. W.	.....	Fair.
*Portland, Oreg	29.97	74	36	Calm.	0	0	0	.....	.....	Clear.
Punta Rassa, Fla	29.97	73	81	N. W.	11	4-4	.....	.....	.....	Cloudy.
Quebec, Canada	30.16	47	48	N. E.	5	0	0	.....	.....	Clear.
Rochester, N. Y	30.03	46	69	E.	12	4-4	.....	.....	.....	Cloudy.
*San Diego, Cal	29.99	77	29	N. W.	14	1-4	1-4	N. W.	.....	Fair.
*San Francisco, Cal	30.02	70	32	Calm.	0	4-4	.....	.....	.....	Cloudy.
*Santa Fé, N. Mex	29.82	50	0	N. W.	7	0	0	.....	.....	Clear.
Saugeen, Canada	29.96	47	100	E.	13	1-4	3-4	E.	.....	Cloudy.
Savannah, Ga	29.86	74	39	S. W.	8	0	1-4	.....	.04	Clear.
Shreveport, La	30.05	59	28	W.	20	Hazy..	2-4	W.	.....	Fair.
Saint Louis, Mo	29.87	43	75	W.	6	4-4	.....	.....	.01	Threatening.
Saint Paul, Minn	30.05	49	44	N.	20	0	2-4	N. E.	.....	Fair.
Toledo, Ohio	29.74	46	84	N. E.	12	4-4	.....	.....	.06	Light rain.
Toronto, Canada	30.01	43	65	E.	17	1-4	3-4	S. E.	.....	Threatening.
Vicksburg, Miss	30.00	63	26	W.	23	Smoky	0	.....	.....	Fair.
Virginia City, Mont	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Washington, D. C	30.04	44	84	E.	16	Smoky	.....	.....	.....	Light rain.
Wilmington, N. C	29.84	73	60	S. W.	16	4-4	1-4	S. W.	.57	Fair.
*Yankton, Dak	30.18	32	96	N.	19	4-4	.....	.....	.07	Cloudy.

WAR DEPARTMENT WEATHER MAP.
SIGNAL SERVICE, U.S. ARMY.
Division of Telegrams and Reports for the Benefit of Commerce and Agriculture
Washington, Wednesday, April 16, 1873—4.35 P. M.
All Observations made at the same moment of actual (not local) time.
HIGH
LOW
LOW
HIGH
Note
Barometric lines
Isothermal
REFERENCES
CLEAR
CLOUDY
SNOW
FAIR
RAIN
PUBLISHED BY ORDER OF THE SECRETARY OF WAR

WASHINGTON, D. C.,
WEDNESDAY, *April* 16, 1873—4.35 *p. m.*

SYNOPSIS.

The area of low barometer, that extended Tuesday afternoon from Western Virginia to the Lower Missouri Valley, is now represented by two barometric depressions, respectively in Ohio and North Carolina. An area of high barometer has extended southward over New England and the Middle Atlantic States; the pressure has also risen in the Northwest and the Mississippi Valley. Increasing easterly winds, with cloud and rain, have prevailed during Wednesday throughout the Middle States, the Lower Lakes, and Michigan; north and northeast winds, with rain, on Lake Michigan and in Iowa. Southwest winds, with partly cloudy and clear weather, are now reported from the South Atlantic States. West and northwest winds, with clear weather, prevail in the Gulf States. The temperature continues warm in the South Atlantic States; it has risen throughout the Gulf States, and has fallen decidedly in the Middle Atlantic States. The rivers have fallen at Cairo, Cincinnati, Pittsburgh, Saint Louis, Davenport, and Omaha; they have risen at Leavenworth, Saint Paul, and Shreveport.

PROBABILITIES.

The storm-centre in North Carolina move slowly northeastward; that in Ohio extend over the Lower Lakes and New York State. For New England on Thursday, continued northeast and southeast winds, with threatening and rainy weather. For the Middle States, easterly winds, falling barometer, cloudy weather, and possibly light rain, except in Maryland and Virginia, where, as well as in North Carolina and the Ohio Valley, cold westerly winds and cloudy or clearing weather is more probable. For the Southern States, generally westerly winds and clear weather. For Lake Ontario, increasing northeast winds, with rain. For Lakes Erie, Huron, and Michigan, northeast winds, backing to north, with cloudy weather and light rain. For Lake Superior, the Mississippi and Missouri Valleys, rising barometer, cold and northerly winds.

Cautionary signals continue at Duluth, Milwaukee, Chicago, Grand Haven, Detroit, Toledo, Cleveland, Buffalo, Oswego, Rochester, Wilmington, Norfolk, Cape May, New York, New Haven, New London, Wood's Hole, and Boston.

FACTS—11 P. M., (*following the above "Probabilities."*)

WIND AND WEATHER.

(1.) *Clear.*—At Galveston, Pembina, Augusta, and Quebec, calm; Montreal, wind S., light; Mobile, wind W., light; Shreveport, wind NW., light; Cincinnati, wind S., gentle; Montgomery, wind W., gentle; New Orleans and Portland, Me., wind SW., gentle; Charleston, wind SW., fresh; Duluth, wind NE., fresh; Saint Paul, wind N., fresh; Toledo, wind S., brisk.

(2.) *Fair.*—At Savannah, wind W., light; Burlington, wind SE., light; Boston and Cairo, wind W., gentle; Cleveland, wind SE., fresh; Indianapolis, wind SW., fresh; Memphis and Saint Louis, wind W., fresh.

(3.) *Cloudy.*—At Kingston and Oswego, calm; New London and Philadelphia, wind E., gentle; Louisville, wind NW., gentle; Milwaukee and Pittsburgh, wind E., fresh; Nashville, wind W., fresh; Lynchburg, wind NE., fresh; Chicago, wind NW., fresh.

(4.) *Rainy.*—At Leavenworth, wind N., light; Keokuk, wind W., gentle; Buffalo and Dover, wind E., fresh; Baltimore and Davenport, wind NE., fresh; Detroit and Rochester, wind SE., fresh; Washington, wind N., fresh; Toronto, wind E., brisk; Norfolk, wind SE., brisk; Omaha, wind NW., brisk.

(5.) *Snowy.*—At New York, wind E., brisk.

GENERAL REMARKS AS TO VERIFICATIONS.

The above "Probabilities" were generally verified, except "the Ohio Valley, westerly winds and cloudy or clearing weather," partly verified; "cautionary signals at Buffalo, Rochester, Oswego, and Boston," not verified.

METEOROLOGICAL RECORD, APRIL 16, 1873—11 P. M.

Place of observation.	Barometer.	Thermometer.	Relative humidity, per cent.	Wind.		Clouds.			Rain-fall in last 8 hours.	State of the weather.
				Direction.	Velocity.	Amount of lower.	Amount of upper.	Direction of upper.		
*Alpena, Mich	29.98	40	82	E.	17	4-4	.....	.....	.06	Light rain.
Augusta, Ga	29.93	58	47	Calm.	0	1-4	0	.....	.....	Clear.
Baltimore, Md	30.02	41	82	N. E.	8	4-4	.....	.....	.25	Heavy rain.
Boston, Mass	30.21	40	56	W.	3	1-4	.....	.....	.....	Fair.
*Breckenridge, Minn	30.17	31	78	N.	10	0	0	.....	.....	Clear.
Buffalo, N. Y	29.93	39	90	E.	12	4-4	.....	.....	.26	Light rain.
Burlington, Vt	30.16	38	71	S. E.	1	2-4	.....	.....	.....	Fair.
Cairo, Ill	29.97	40	75	W.	4	2-4	Hazy..	.....	.....	Fair.
*Cape May, N. J	30.04	41	91	E.	20	4-4	.....	.....	.15	Light rain.
Charleston, S. C	29.88	64	70	S. W.	10	0	0	.....	.....	Clear.
*Cheyenne, Wyo	30.09	28	54	W.	4	0	0	.....	.....	Clear.
Chicago, Ill	29.78	39	82	N. W.	12	4-4	.....	.....	.....	Threatening.
Cincinnati, Ohio	29.86	43	76	S.	4	0	0	.....	.....	Clear.
Cleveland, Ohio	29.81	46	77	S. E.	12	0	2-4	S. W.	.15	Clearing.
*Corinne, Utah	30.02	42	34	N. W.	5	0	0	.....	.....	Clear.
Davenport, Iowa	29.88	41	91	N. E.	8	4-4	.....	.....	.....	Light rain.
*Denver, Colo	30.17	33	80	Calm.	0	0	0	.....	.....	Clear.
Detroit, Mich	29.73	41	100	S. E.	12	4-4	.....	.....	.15	Light rain.
Duluth, Minn	30.16	38	64	N. E.	8	0	0	.....	.....	Clear.
*Escanaba, Mich	.....	39	64	N.	20	4	.....	.....	.....	Cloudy.
*Eastport, Me	30.13	35	70	N.	2	0	0	.....	.....	Clear.
*Fort Benton, Mont	29.95	51	28	Calm.	0	0	3-4	W.	.....	Cloudy.
Fort Garry, Manitoba	30.12	30	83	N.	1	0	0	.....	.....	Fair.
*Fort Gibson, Ind. T	30.15	43	67	W.	13	4-4	.....	.....	.....	Threatening.
*Fort Sully, Dak	30.28	36	51	Calm.	0	0	0	.....	.....	Clear.
Galveston, Tex	30.16	60	61	Calm.	0	0	0	.....	.....	Clear.
*Grand Haven, Mich	29.72	40	82	N. E.	14	4-4	.....	.....	.05	Cloudy.
Indianapolis, Ind	29.80	45	68	S. W.	12	0	2-4	W.	.....	Fair.
*Indianola, Tex	30.21	63	55	S. E.	2	0	0	.....	.....	Clear.
*Jacksonville, Fla	29.97	64	67	S. W.	4	3-4	0	.....	.....	Fair.
Keokuk, Iowa	29.87	43	83	W.	5	4-4	.....	.....	.02	Light rain.
*Key West, Fla	30.17	77	82	N. W.	13	4-4	.....	.....	.....	Cloudy.
Kingston, Canada	30.13	45	75	Calm.	0	4-4	.....	.....	.....	Cloudy.
*Knoxville, Tenn	29.85	50	37	S.	4	Hazy..	0	.....	.....	Fair.
*La Crosse, Wis	29.97	45	61	N. E.	10	4-4	.....	.....	.....	Cloudy.
*Lake City, Fla	29.98	59	70	W.	8	4-4	.....	.....	.....	Cloudy.
Leavenworth, Kans	29.97	42	91	N.	1	4-4	.....	.....	.05	Light rain.
Louisville, Ky	29.85	47	62	N. W.	5	4-4	.....	.....	.....	Cloudy.
Lynchburg, Va	29.91	44	84	N. E.	8	4-4	.....	.....	.01	Cloudy.
*Marquette, Mich	30.10	37	71	N. W.	8	0	1-4	.....	.....	Fair.
Memphis, Tenn	29.84	46	47	W.	6	2-4	0	.....	.....	Fair.
Milwaukee, Wis	30.03	36	95	E.	14	4-4	.....	.....	.18	Threatening.
Mobile, Ala	30.07	58	43	W.	2	0	0	.....	.....	Clear.
Montgomery, Ala	29.98	56	39	W.	5	0	0	.....	.....	Clear.
Montreal, Canada	30.16	43	66	S.	2	0	0	.....	.....	Clear.
*Mount Washington, N. H	30.20	23	86	E.	24	0	2-4	E.	.....	Fair.
Nashville, Tenn	29.95	47	55	W.	6	4-4	.....	.....	.....	Threatening.
New London, Conn	30.23	39	82	E.	4	4-4	.....	.....	.....	Cloudy.
New Orleans, La	30.04	58	53	S. W.	5	0	0	.....	.....	Clear.
New York, N. Y	30.15	41	57	E.	29	4-4	.....	.....	.....	Sleet.
Norfolk, Va	29.85	49	92	S. E.	16	4-4	.....	.....	.16	Light rain.
Omaha, Nebr	30.09	38	90	N. W.	16	4-4	.....	.....	.02	Light rain.
Oswego, N. Y	30.09	50	64	Calm.	0	4-4	.....	.....	.....	Threatening.
Pembina, Dak	30.21	33	80	Calm.	0	0	0	.....	.....	Clear.
Philadelphia, Pa	30.07	39	73	E.	8	4-4	.....	.....	.....	Threatening.
Pittsburgh, Pa	29.94	42	91	E.	6	4-4	.....	.....	.17	Threatening.
Port Dover, Canada	29.96	39	91	E.	12	4-4	.....	.....	.28	Light rain.
*Port Stanley, Canada	29.91	39	91	E.	7	4-4	.....	.....	.33	Heavy rain.
Portland, Me	30.14	36	61	S. W.	4	0	0	.....	.....	Clear.
*Portland, Oreg	29.98	68	47	W.	3	0	2-4	.....	.....	Fair.
*Punta Rassa, Fla	30.04	69	75	N.	11	2-4	0	.....	.....	Fair.
Quebec, Canada	30.20	35	90	Calm.	0	0	.....	.....	.....	Clear.
Rochester, N. Y	30.09	40	82	S. E.	9	4-4	.....	.....	.54	Heavy rain.
*San Diego, Cal	30.03	63	48	N. W.	6	1-4	1-4	N. W.	.....	Fair.
*San Francisco, Cal	29.97	61	44	N. W.	12	2-4	.....	.....	.....	Dense haze.
*Santa Fé, N. Mex	29.84	40	21	S. E.	17	0	0	.....	.....	Clear.
*Saugeen, Canada	29.94	44	76	S. E.	7	4-4	.....	.....	.01	Light rain.
Savannah, Ga	29.94	62	57	W.	2	1-4	0	.....	.....	Fair.
Shreveport, La	30.10	49	51	N. W.	2	0	0	.....	.....	Clear.
Saint Louis, Mo	29.92	37	90	W.	10	1-4	Hazy..	.....	.....	Fair.
Saint Paul, Minn	30.09	39	54	N.	12	0	0	.....	.....	Clear.
Toledo, Ohio	29.75	45	84	S.	16	0	0	.....	.30	Clear.
Toronto, Canada	30.03	40	95	E.	16	4-4	.....	.....	.40	Light rain.
*Vicksburg, Miss	30.10	53	53	N. W.	10	0	0	.....	.....	Clear.
Virginia City, Mont	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Washington, D. C	30.01	41	91	N.	8	0	0	0	.49	Heavy rain.
Wilmington, N. C	29.83	65	78	S. W.	16	0	1-4	.....	.....	Clear.
*Yankton, Dak	30.19	31	92	S.	20	4-4	.....	.....	.....	Cloudy.

WAR DEPARTMENT WEATHER MAP.
SIGNAL SERVICE, U.S. ARMY.
Division of Telegrams and Reports for the Benefit of Commerce and Agriculture
Washington, Wednesday, April 16, 1873—11 P. M.
All Observations made at the same moment of actual (not local) time.
HIGH
LOW
LOW
REFERENCES.
CLEAR
CLOUDY
SNOW
FAIR
RAIN
Note.
Isobaric lines
Isothermal
PUBLISHED BY ORDER OF THE SECRETARY OF WAR.
Benton
Penbina
Duluth
Marquette
Escanaba
Milwaukee
Green Bay
St Paul
Ft Sully
Breckenridge
Virginia City
Omaha
Davenport
Chicago
Leavenworth
St Louis
Cairo
Louisville
Indianapolis
Cincinnati
Pittsburg
Philadelphia
New York
New Haven
New London
Portland
Boston
Montreal
Quebec
Toronto
Alpena
Sandusky
Cleveland
Detroit
Buffalo
Rochester
Oswego
Albany
Burlington
Norfolk
Wilmington
Nashville
Memphis
Little Rock
Ft Gibson
Santa Fe
Waco
Vicksburg
Mobile
New Orleans
Galveston
Indianola
Brownsville
Atlanta
Augusta
Savannah
Charleston
Montgomery
Jacksonville
Lake City
Key West
Havana
Santiago de Cuba
ST DOMINGO
Sacramento
San Francisco
San Diego
Humboldt City
Cheyenne
Denver
4000 to 5000 ft

WASHINGTON, D. C.,
WEDNESDAY, *April* 16, 1873—11 *p. m.*

SYNOPSIS.

The areas of low barometer, that extended Tuesday night over the Lower Missouri and Ohio Valleys and North Carolina, are now respectively in Southern Michigan and Eastern Virginia. The barometer has risen decidedly over New England, with easterly winds and increasing cloudiness. Northeast winds, veering to southeast, have prevailed during Wednesday, with rain, over the Middle States and Lower Lakes. Diminishing southwesterly winds and clear weather have been reported from the Gulf and South Atlantic States. Threatening weather has continued in the Ohio Valley, and northerly winds, with light rain, are reported from the Lower Missouri Valley, and thence to Lake Michigan. No reports have been received from the Northwest and Rocky Mountain stations.

PROBABILITIES.

The storm-centre in Michigan move slowly northeastward over Lake Huron; that on the Middle Atlantic coast move also northeastward. For Thursday in New England, continued northeast and southeast winds, with cloudy and rainy weather. For the Middle Atlantic States, northeast winds back to northwest and west, with cloudy and clearing weather. For the Southern States, generally clear weather, with westerly winds and rising temperature. For New York and Lake Ontario, easterly, veering to southerly winds, and cloud and rain. For Lake Erie, southeasterly winds, veering to south and possibly southwest. For the Upper Lakes, increasing northerly winds, cloudy and clearing weather.

Cautionary signals continue at Milwaukee, Chicago, Grand Haven, Detroit, Toledo, Cleveland, Buffalo, Oswego, Rochester, Norfolk, Cape May, New York, New Haven, New London, Wood's Hole, and Boston.

FACTS—7.35 A. M., (*following the above "Probabilities."*)

WIND AND WEATHER.

(1.) *Clear.*—At Pembina, calm; Galveston, Mobile, and New Orleans, wind NW., light; Eastport, wind N., gentle; Cincinnati, wind SW., gentle; Quebec and Duluth, wind NE., fresh; Shreveport, wind W., fresh; Saint Paul, wind N., fresh.

(2.) *Fair.*—At Dover and Stanley, wind E., gentle; Montgomery, wind W., gentle; Nashville, wind SW., gentle; Detroit, wind S., fresh; Memphis, wind W., fresh; Cleveland and Toledo, wind SE., brisk; Key West, wind N., brisk.

(3.) *Cloudy.*—At Boston, calm; Burlington, wind E., light; Portland, Me., wind NW., light; Lake City, wind NW., gentle; Lynchburg and Norfolk, wind W., gentle; Montreal, wind NE., gentle; Jacksonville, wind SW., gentle; Buffalo, wind SE., fresh; Baltimore, Keokuk, and Washington, wind NE., fresh; Augusta and Knoxville, wind W., fresh; Charleston and Louisville, wind SW., fresh; Savannah, Omaha, and Wilmington, wind NW., fresh; Pittsburgh and New London, wind E., fresh; Grand Haven, La Crosse, and New York, wind NE., brisk; Punta Rassa, wind N., brisk.

(4.) *Rainy.*—At Kingston, wind SE., fresh; Toronto, wind E., fresh; Indianapolis and Saint Louis, wind SW., fresh; Davenport, wind NW., fresh; Cape May, Philadelphia, and Alpena, wind E., brisk; Milwaukee, wind NE., brisk.

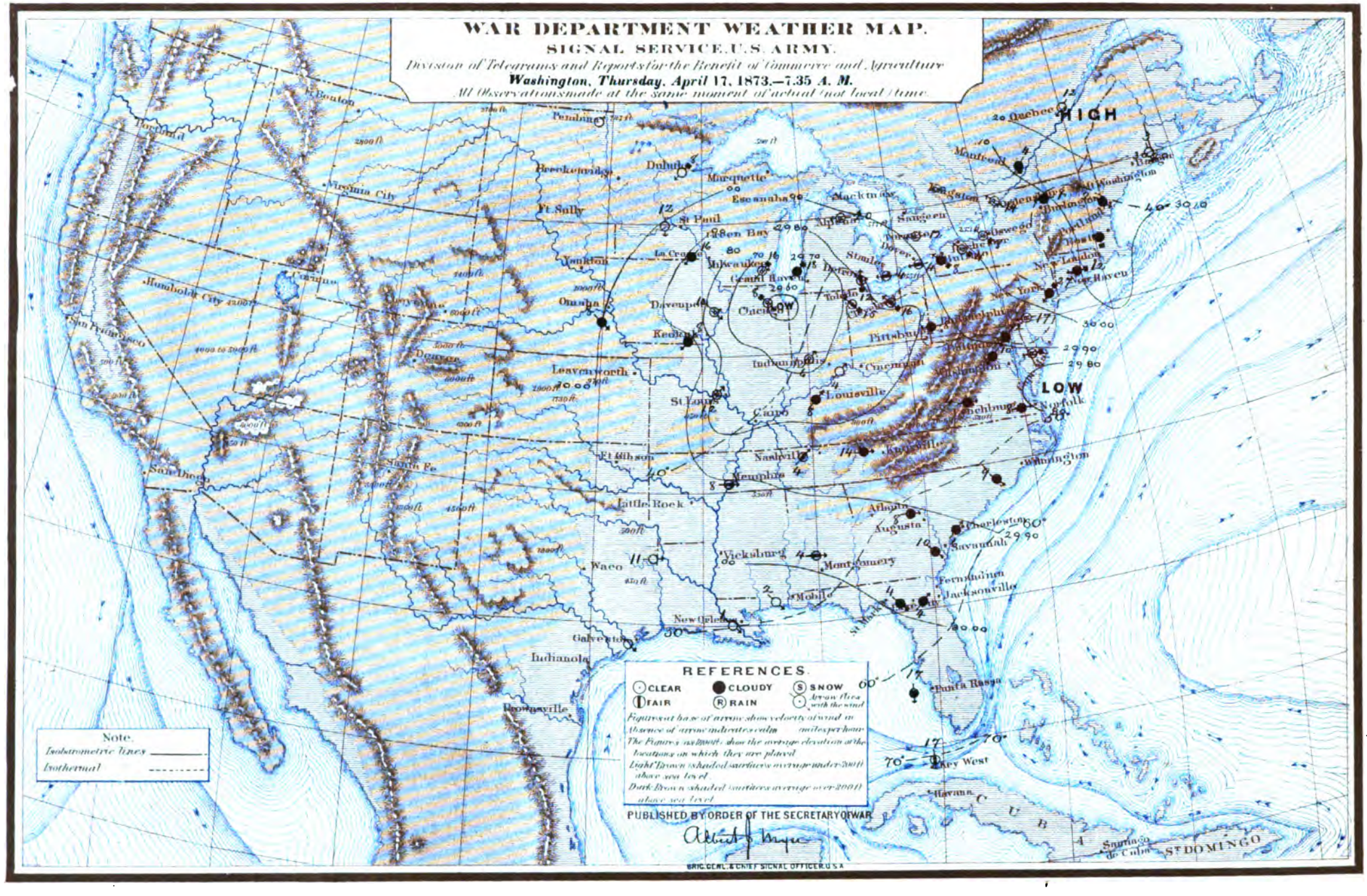
(5.) *Snowy.*—At Rochester, wind SE., gentle; Chicago, wind NW., fresh; Oswego, wind SE., fresh.

GENERAL REMARKS AS TO VERIFICATIONS.

The above "Probabilities" were generally verified, except "for New York and Lake Ontario, winds, veering to southerly," and "for Lake Erie, winds, veering to south and possibly southwest," partly verified; "for the Southern States, rising temperature," and "cautionary signals at Buffalo, Rochester, and Oswego," not verified.

METEOROLOGICAL RECORD, APRIL 17, 1873—7.35 A. M.

Place of observation.	Barometer.	Thermometer.	Relative humidity, per cent.	Wind.		Clouds.			Rain-fall in last 8 hours.	State of the weather.
				Direction.	Velocity.	Amount of lower.	Amount of upper.	Direction of upper.		
Alpena, Mich	29.85	37	90	E.	20	4-4			.23	Light rain.
Augusta, Ga	29.95	56	35	W.	8	0	4-4	W.		Cloudy.
Baltimore, Md	29.86	42	74	N. E.	12	4-4			.54	Cloudy.
Boston, Mass	30.13	43	67	Calm.	0	4-4				Cloudy.
*Breckenridge, Minn	30.06	28	83	W.	1	0	0			Clear.
Buffalo, N. Y	29.82	39	82	S. E.	8	4-4			.01	Cloudy.
Burlington, Vt	30.06	42	57	E.	1	4-4				Threatening.
*Cairo, Ill	29.87	39	84	W.	2	2-4	1-4		.05	Cloudy.
*Cape May, N. J	29.79	45	100	E.	28	4-4			.50	Light rain.
Charleston, S. C	29.94	59	54	S. W.	6	Fog	2-4	S.		Cloudy.
*Cheyenne, Wyo	29.93	22	58	W.	1	0	0			Clear.
Chicago, Ill	29.70	35	90	N. W.	8	4-4			.32	Light snow.
Cincinnati, Ohio	29.82	44	68	S. W.	4	Smoky	1-4	W.	.01	Clear.
Cleveland, Ohio	29.76	42	83	S. E.	16	0	2-4	S. W.		Fair.
*Corinne, Utah	30.02	34	47	N. W.	2	Smoky	3-4			Fair.
Davenport, Iowa	29.73	40	91	N. W.	10	4-4			.05	Light rain.
*Denver, Colo	30.03	25	75	S.	6	0	0			Clear.
Detroit, Mich	29.72	42	83	S.	12	Hazy	2-4	S.	.01	Fair.
Duluth, Minn	30.02	38	53	N. E.	8	0	0			Clear.
Eastport, Me	30.12	39	73	N.	3	0	0			Clear.
*Escanaba, Mich		37	71	N.	20	4-4			.01	Light snow.
*Fort Benton, Mont	29.96	40	56	Calm.	0	0	4-4	W.		Fair.
Fort Garry, Manitoba	29.99	27	94	S. W.	3	1-4	0			Clear.
*Fort Gibson, Ind. T	30.13	39	82	N. W.	4	4-4			.01	Cloudy.
*Fort Sully, Dak	30.22	24	87	Calm.	0	0	0			Fair.
*Galveston, Tex	30.20	54	48	N. W.	2	0	0			Clear.
Grand Haven, Mich	29.57	39	91	N. E.	18	4-4			.09	Cloudy.
Indianapolis, Ind	29.71	42	82	S. W.	6	4-4			.06	Light rain.
*Indianola, Tex	30.22	58	53	N.	12	0	0			Clear.
Jacksonville, Fla	30.00	58	58	S. W.	4	4-4				Cloudy.
Keokuk, Iowa	29.75	40	91	N. W.	8	4-4			.07	Cloudy.
Key West, Fla	30.01	73	76	N.	17	0	2-4	W.		Fair.
Kingston, Canada	30.08	39	91	S. E.	14	4-4			.03	Light rain.
Knoxville, Tenn	29.89	43	58	W.	14	4-4				Cloudy.
La Crosse, Wis	29.85	38	72	N. E.	16	4-4				Cloudy.
Lake City, Fla	30.01	55	68	N. W.	4	4-4				Cloudy.
*Leavenworth, Kans	29.91	38	91	N.	10	4-4				Cloudy.
Louisville, Ky	29.80	42	74	S. W.	8	Smoky	4-4	W.		Cloudy.
Lynchburg, Va	29.85	42	87	E.	4	4-4				Cloudy.
*Marquette, Mich	29.95	33	80	N. W.	8	0	1-4			Fair.
Memphis, Tenn	29.96	42	74	W.	8	1-4	1-4	W.		Fair.
Milwaukee, Wis	29.57	35	100	N. E.	16	4-4			.27	Light rain.
Mobile, Ala	30.09	50	64	N. W.	2	0	0			Clear.
Montgomery, Ala	30.02	47	69	W.	4	0	1-4			Fair.
Montreal, Canada	30.10	38	71	N. E.	4	0	4-4	N. E.		Cloudy.
*Mount Washington, N. H	30.11	23	73	W.	12	0	3-4	W.		Fair.
Nashville, Tenn	29.88	45	53	S. W.	4	2-4	2-4	S. W.		Clearing.
New London, Conn	30.12	39	73	E.	12	4-4				Threatening.
New Orleans, La	30.09	53	60	N. W.	1	0	0			Clear.
New York, N. Y	29.96	40	73	N. E.	27	4-4			.06	Threatening.
Norfolk, Va	29.82	50	96	W.	8	4-4			.02	Cloudy.
Omaha, Nebr	30.00	35	90	N. W.	8	4-4			.01	Cloudy.
Oswego, N. Y	30.01	39	82	S. E.	8	4-4			.09	Clearing.
Pembina, Dak	30.06	30	89	Calm.	0	0	0			Clear.
Philadelphia, Pa	29.92	39	91	E.	17	4-4			.51	Light rain.
Pittsburgh, Pa	29.86	39	82	E.	8	4-4				Cloudy.
Port Dover, Canada	29.87	38	81	E.	4	0	2-4	E.	.09	Fair.
Port Stanley, Canada	29.86	38	87	E.	4	0	2-4	E.		Fair.
Portland, Me	30.10	42	66	N. W.	2	1-4	2-4	W.		Cloudy.
*Portland, Oreg	29.81	50	80	Calm.	0	Hazy	Hazy			Fair.
Punta Rassa, Fla	30.05	65	73	N.	17	4-4				Cloudy.
Quebec, Canada	30.20	39	82	N. E.	12	0	0			Clear.
Rochester, N. Y	29.97	34	95	S. E.	4	4-4			.51	Heavy snow.
*San Diego, Cal	30.03	57	62	N. E.	2	4-4				Cloudy.
*San Francisco, Cal	29.99	53	86	S. W.	2	4-4				Cloudy.
*Santa Fé, N. Mex	29.82	35	45	E.	2	0	2-4			Fair.
*Saugeen, Canada	29.86	37	81	S. E.	7	4-4			.14	Light rain.
Savannah, Ga	29.97	55	57	N. W.	10	Smoky	4-4	S. W.		Cloudy.
Shreveport, La	30.10	43	67	W.	11	0	0			Clear.
Saint Louis, Mo	29.78	37	80	S. W.	12	4-4			.02	Light rain.
Saint Paul, Minn	29.96	35	54	N.	12	0	0			Clear.
Toledo, Ohio	29.73	43	75	S. E.	15	1-4	2-4	S. E.	.02	Fair.
Toronto, Canada	29.94	35	97	E.	12	4-4			.33	Light rain.
*Vicksburg, Miss	30.28	46	67	W.	12	0	0			Clear.
Virginia City, Mont										
Washington, D. C	29.85	40	82	N. E.	10	4-4			.43	Cloudy.
Wilmington, N. C	29.87	53	80	N. W.	9	4-4				Cloudy.
*Yankton, D. T	30.10	24	91	N. W.	18	1-4	2-4	N.		Fair.


WAR DEPARTMENT WEATHER MAP.
SIGNAL SERVICE, U.S. ARMY.
Division of Telegrams and Reports for the Benefit of Commerce and Agriculture
Washington, Thursday, April 17, 1873.—7.35 A. M.
All Observations made at the same moment of actual (not local) time.
HIGH
LOW
LOW
REFERENCES.
CLEAR
CLOUDY
SNOW
FAIR
RAIN
Arrow flies with the wind
Figures at base of arrows show velocity of wind in miles per hour
Note.
Isobarometric lines
Isothermal
PUBLISHED BY ORDER OF THE SECRETARY OF WAR
BRIG. GENL. & CHIEF SIGNAL OFFICER U.S.A.

WASHINGTON, D. C.,
THURSDAY, *April* 17, 1873—7.35 *a. m.*

SYNOPSIS.

The storm-centre, that was Wednesday morning in North Carolina, is now on the Middle Atlantic coast. That that was in Indiana is apparently now over the southern part of Lake Michigan. The pressure has risen somewhat on the South Atlantic coast, and has fallen especially in the Northwest. Northeasterly winds, increasing to brisk and high, with rain, have prevailed in the Middle Atlantic States, and southeast winds, with rain or snow, on the Lower Lakes. Brisk northerly and easterly winds, with rain, are reported from Lakes Michigan and Huron. The temperature has fallen throughout the Atlantic States, and to a less extent, with clear weather, in the Gulf States.

PROBABILITIES.

The area of low barometer on Lake Michigan will probably move the rest of Thursday northeasterly over Lake Huron. That on the Middle Atlantic coast continue moving slowly northeastward. For New England and New Jersey for the rest of Thursday, continued northeast winds, threatening and rainy weather. For the Lower Lakes, increasing southeasterly winds, with rain. For the western portion of Pennsylvania and the Ohio Valley, and thence southward over the Eastern Gulf and South Atlantic States, westerly winds, cloudy and clearing weather. For Lake Huron, increasing east and northeast winds, with rain. For Lake Michigan, increasing northeast winds, backing to northwest, with rain and possibly snow, followed by clearing weather, Thursday night.

Cautionary signals continue at Milwaukee, Chicago, Grand Haven, Detroit, Toledo, Cleveland, Buffalo, Oswego, Rochester, Cape May, New York, New Haven, New London, Wood's Hole, and Boston.

FACTS—4.35 P. M., (*following the above "Probabilities."*)

WIND AND WEATHER.

(1.) *Clear.*—At Duluth, wind NE., gentle; Indianola, wind S., gentle; Galveston, wind NW., fresh; Lake City, wind SW., brisk.

(2.) *Fair.*—At Quebec, wind NE., fresh; Mobile, New Orleans, Augusta, and Shreveport, wind W., fresh; Jacksonville and Savannah, wind SW., fresh; Dover, wind N., fresh; Pembina, wind S., fresh; Vicksburg, wind NW., fresh; Eastport, wind E., fresh; Saint Paul, wind N., brisk; Wilmington, wind SW., brisk.

(3.) *Cloudy.*—At Fort Gibson, calm; Burlington, wind S., light; Montreal, wind NE., light; Punta Rassa, wind NW., light; Stanley, wind E., light; Portland, Me., wind S., gentle; Lynchburg, wind N., gentle; Montgomery and Norfolk, wind W., gentle; Davenport and Milwaukee, wind NE., gentle; Baltimore and Washington, wind NW., fresh; Boston, Buffalo, Saugeen, and Toledo, wind E., fresh; Cairo, Charleston, and Detroit, wind SW., fresh; Alpena, Escanaba, and La Crosse, wind NE., fresh; Cincinnati, wind S., fresh; Louisville, Memphis, and Nashville, wind W., fresh; Keokuk and Omaha, wind NW., fresh; Leavenworth, wind N., fresh; Knoxville, wind W., brisk; Key West, wind N., brisk.

(4.) *Rainy.*—At Pittsburgh, wind SE., gentle; Kingston and Rochester, wind E., fresh; Cleveland, wind W., fresh; Oswego, wind SE., fresh; Chicago, wind NE., fresh; Indianapolis, wind S., fresh; New York and Philadelphia, wind NE., brisk; New London and Toronto, wind E., brisk; Saint Louis, wind NW., brisk.

GENERAL REMARKS AS TO VERIFICATIONS.

The above "Probabilities" were generally verified, except "for the Lower Lakes, increasing southeasterly winds," partly verified; "for the Ohio Valley, clearing weather," and "cautionary signals at Buffalo, Oswego, and Rochester," not verified.

WASHINGTON, D. C.,
THURSDAY, *April* 17, 1873—4.35 *p. m.*

SYNOPSIS.

The areas of low barometer, that were Wednesday afternoon in Ohio and North Carolina, have apparently moved very slowly eastward and northeast. The latter is now on the coast of New Jersey as a well-developed storm-centre. Brisk and high northeast winds, with rain, prevail over New Jersey and Connecticut; easterly winds, with cloudy and threatening weather, in New England, and with rain on the Lower Lakes. The barometer has fallen decidedly over Lake Superior and the Northwest, so far as heard from, with a special depression in northern Illinois. Northeast winds, threatening and rainy weather, over the Upper Lakes, and thence to the Missouri Valley. Westerly winds, partly cloudy and clear weather, are reported from the Southern States, where also the temperature has very generally fallen. The temperature has risen decidedly from Arkansas and Missouri to Nebraska and Minnesota. The rivers have risen at Shreveport, Davenport, and Saint Paul, and fallen at Cairo, Cincinnati, Pittsburgh, Saint Louis, Leavenworth, Omaha, and Nashville.

PROBABILITIES.

The areas of low barometer in Ohio and Illinois extend on Friday over the Lower Lakes; that over New Jersey move northeastward toward Cape Cod. For New England, north and east winds, with rain. For the Lower Lakes, winds back to south, with rain. The barometer continue to fall in the Northwest, with southerly winds and rising temperature over Minnesota and Lake Superior. For the Southern States, rising temperature, partly cloudy and clear weather.

Cautionary signals continue at Milwaukee, Chicago, Grand Haven, Detroit, Toledo, Cleveland, Buffalo, Rochester, Oswego, New York, New Haven, New London, Wood's Hole, and Boston.

FACTS—11 P. M., (*following the above "Probabilities."*)

WIND AND WEATHER.

(1.) *Clear.*—At Augusta, Galveston, and Shreveport, calm; Leavenworth, Mobile, and Savannah, wind NW., gentle; Baltimore and Lynchburg, wind SW., gentle; Charleston, wind NW., fresh; Saint Paul, wind N., fresh; New Orleans, wind W., fresh; Quebec, wind NE., high.

(2.) *Fair.*—At Keokuk, wind NW., fresh; Omaha, wind SW., fresh; Norfolk, wind E., fresh; Memphis, wind W., fresh.

(3.) *Cloudy.*—At Burlington, wind SE., light; Montgomery and Pittsburgh, wind W., light; Stanley, wind NE., light; Saugeen, wind E., light; Buffalo, wind E., gentle; Montreal, wind NE., gentle; Philadelphia, wind NW., gentle; Washington, wind SW., gentle; Pembina, wind N., gentle; Escanaba, La Crosse, Milwaukee, and Portland, Me., wind NE., fresh; Davenport, wind N., fresh; Nashville, wind SW., fresh; Saint Louis, wind W., fresh; Dover, wind N., fresh.

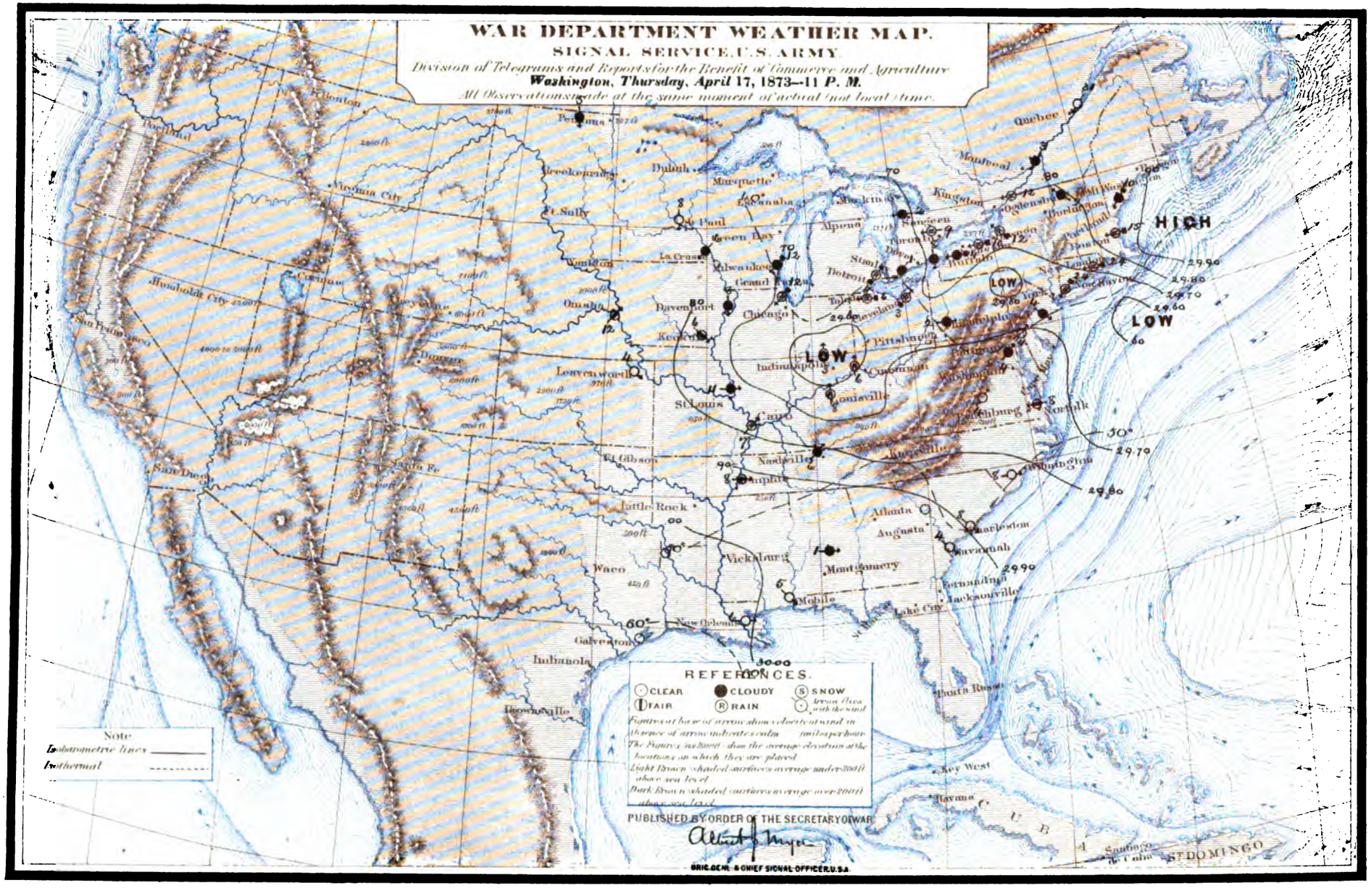
(4.) *Rainy.*—At Cleveland and Detroit, wind SW., gentle; Indianapolis, wind S., gentle; Kingston, Toronto, Toledo, and Rochester, wind E., fresh; Cincinnati and Louisville, wind S., fresh; Cairo, wind SW., fresh; Oswego, wind SE., fresh; Chicago, wind NE., fresh; Boston and New London, wind E., brisk; New York, wind NE., brisk.

GENERAL REMARKS AS TO VERIFICATIONS.

The above "Probabilities" were generally verified, except "southerly winds over Minnesota and Lake Superior," and "for the Southern States, rising temperature," partly verified; "cautionary signals at Milwaukee, Chicago, Grand Haven, Detroit, Toledo, Cleveland, Buffalo, Rochester, and Oswego," not verified.

METEOROLOGICAL RECORD, APRIL 17, 1873—11 P. M.

Place of observation.	Barometer.	Thermometer.	Relative humidity, per cent.	Wind.		Clouds.			Rain-fall in last 8 hours.	State of the weather.
				Direction.	Velocity.	Amount of lower.	Amount of upper.	Direction of upper.		
*Alpena, Mich	29.77	34	89	N.	3	4-4				Cloudy.
Augusta, Ga	29.90	49	64	Calm.	0	0	0			Clear.
Baltimore, Md	29.71	43	75	S. W.	4	Hazy	1-4	N. W.		Clear.
Boston, Mass	29.93	40	82	E.	15	4-4				Light rain.
*Breckenridge, Minn	29.85	32	80	W.	4	0	0			Clear.
Buffalo, N. Y	29.59	40	82	E.	4	4-4			.01	Threatening.
Burlington, Vt	29.85	41	73	S. E.	2	4-4			.04	Threatening.
Cairo, Ill	29.76	46	84	S. W.	7	4-4			.12	Light rain.
*Cape May, N. J	29.72	45	76	W.	12	0	0			Clear.
Charleston, S. C	29.86	55	44	N. W.	8	0	0			Clear.
*Cheyenne, Wyo	29.87	39	38	W.	8	1-4	0			Fair.
Chicago, Ill	29.65	39	91	N. E.	12	4-4			.02	Light rain.
Cincinnati, Ohio	29.72	46	77	S.	6	4-4			.09	Light rain.
Cleveland, Ohio	29.67	39	100	S. W.	3	4-4			.17	Light rain.
*Corinne, Utah	29.89	54	26	S. W.	7	1-4	2-4			Fair.
Davenport, Iowa	29.71	45	68	N.	8	4-4				Cloudy.
*Denver, Colo	29.93	46	40	S.	2	2-4	0			Fair.
Detroit, Mich	29.66	40	91	S. W.	4	4-4			.10	Heavy rain.
*Duluth, Minn	29.81	35	63	Calm.	0	0	0			Clear.
*Eastport, Me	30.05	36	62	E.	6	4-4				Cloudy.
Escanaba, Mich		37	81	N. E.	8	4-4				Cloudy.
*Fort Benton, Mont	29.99	47	41	N. E.	10	0	1-4			Fair.
*Fort Garry, Manitoba	29.59	42	83	S.	13	1-4	0			Fair.
*Fort Gibson, Ind. T	30.01	45	76	Calm.	0	0	0			Clear.
*Fort Sully, Dak	29.89	44	60	S. E.	10	1-4	0			Fair.
Galveston, Tex	30.04	61	48	Calm.	0	0	0			Clear.
*Grand Haven, Mich	29.63	41	83	N. E.	4	4-4				Cloudy.
Indianapolis, Ind	29.60	44	87	S.	3	4-4	4-4		.09	Light rain.
*Indianola, Tex	30.05	60	71	S.	7	0	0			Clear.
*Jacksonville, Fla	29.91	59	48	S. W.	8	0	0			Clear.
Keokuk, Iowa	29.69	44	76	N. W.	6	2-4				Fair.
*Key West, Fla	30.03	62	57	N.	19	4-4			.03	Cloudy.
Kingston, Canada	29.80	36	97	E.	12	4-4			.01	Light rain.
*Knoxville, Tenn	29.81	46	53	S.	11	4-4				Cloudy.
La Crosse, Wis	29.75	44	43	N. E.	6	4-4				Cloudy.
*Lake City, Fla	29.93	55	57	W.	6	0	0			Clear.
Leavenworth, Kans	29.80	46	69	N. W.	4	0	0			Clear.
Louisville, Ky	29.68	45	76	S.	8	4-4			.15	Light rain.
Lynchburg, Va	29.74	42	94	S. W.	4	0	0		.23	Clear.
*Marquette, Mich	29.74	36	80	N. W.	4	0	1-4			Fair.
Memphis, Tenn	29.91	49	57	W.	8	2-4	0			Fair.
Milwaukee, Wis	29.65	35	100	N. E.	12	4-4				Cloudy.
Mobile, Ala	29.98	55	62	N. W.	5	0	0			Clear.
Montgomery, Ala	29.94	54	49	W.	1	4-4				Cloudy.
Montreal, Canada	29.90	42	76	N. E.	30	4-4				Cloudy.
*Mount Washington, N. H	29.83	18	84	S. E.	50	4-4				Threatening.
Nashville, Tenn	29.80	50	52	S. W.	6	4-4				Cloudy.
New London, Conn	29.73	39	100	E.	24	4-4			.29	Light rain.
New Orleans, La	29.97	56	56	W.	6	0	0			Clear.
New York, N. Y	29.63	40	100	N. E.	24	4-4			.10	Light rain.
Norfolk, Va	29.69	49	92	E.	8	1-4	0		.05	Fair.
Omaha, Nebr	29.88	42	83	S. W.	12	1-4				Fair.
Oswego, N. Y	29.73	42	79	S. E.	12	4-4			.02	Light rain.
Pembina, Dak	30.45	30	89	N.	5	4-4				Cloudy.
Philadelphia, Pa	29.67	43	92	N. W.	4	4-4			.16	Cloudy.
Pittsburgh, Pa	29.70	39	91	W.	2	4-4			.16	Cloudy.
Port Dover, Canada	29.70	34	90	N.	8	0	4-4	N.		Cloudy.
Port Stanley, Canada	29.72	36	90	N. E.	1	4-4				Cloudy.
*Portland, Me	29.93	39	72	N. E.	10	4-4				Cloudy.
Portland, Oreg	29.94	57	81	Calm.	0	4-4				Cloudy.
*Punta Rassa, Fla	30.01	67	64	N. W.	5	1-4				Fair.
Quebec, Canada	29.78	34	71	N. E.	31	0	0			Clear.
Rochester, N. Y	29.69	36	90	E.	10	4-4			.06	Light rain.
*San Diego, Cal	30.02	59	87	N. W.	1	2-4	0			Fair.
*San Francisco, Cal	30.05	56	87	W.	10	4-4				Cloudy.
*Santa Fé, N. Mex	29.75	45	0	N.	6	2-4	0			Fair.
Saugeen, Canada	29.72	35	90	E.	2	4-4				Cloudy.
Savannah, Ga	29.90	55	38	N. W.	4	0	0			Clear.
Shreveport, La	30.02	51	72	Calm.	0	0	0			Clear.
Saint Louis, Mo	29.72	43	92	W.	11	4-4			.28	Cloudy.
Saint Paul, Minn	29.71	44	52	N.	8	0	0			Clear.
Toledo, Ohio	29.66	46	84	E.	6	4-4			.01	Light rain.
Toronto, Canada	29.73	34	95	E.	9	4-4			.02	Light rain.
*Vicksburg, Miss	30.03	50	64	N.	2	0	0			Clear.
Virginia City, Mont										
Washington, D. C	29.71	44	84	S. W.	4	4-4				Cloudy.
Wilmington, N. C	29.83	56	37	W.	8	0	0			Clear.
*Yankton, Dak	29.94	33	89	W.	7	0	0			Clear.


WAR DEPARTMENT WEATHER MAP.
SIGNAL SERVICE, U.S. ARMY.
Division of Telegrams and Reports for the Benefit of Commerce and Agriculture
Washington, Thursday, April 17, 1873—11 P. M.
All Observations made at the same moment of actual (not local) time.
HIGH
LOW
LOW
LOW
Portland
Pembina
Duluth
Marquette
Breckenridge
Virginia City
Ft. Sully
St. Paul
Green Bay
La Crosse
Milwaukee
Alpena
Mackinaw
Sandusky
Toronto
Kingston
Montreal
Quebec
Burlington
Portland
Eastport
Eastern Point
Boston
New Haven
Sandy Hook
Cape May
Norfolk
Wilmington
Charleston
Savannah
Jacksonville
Lake City
Key West
Havana
CUBA
ST. DOMINGO
Humboldt City
San Francisco
San Diego
Carquinez
Virginia City
Omaha
Davenport
Chicago
Keokuk
Leavenworth
St. Louis
Cairo
Indianapolis
Louisville
Cincinnati
Pittsburgh
Philadelphia
Washington
Baltimore
Nashville
Memphis
Little Rock
Atlanta
Augusta
Vicksburg
Montgomery
Mobile
New Orleans
Galveston
Indianola
Brownsville
Waco
Ft. Gibson
Santa Fe
Denver
Cheyenne
Detroit
Toledo
Cleveland
Buffalo
Rochester
Albany
Burlington
Port Huron
Milwaukee
Grand Haven
Chicago
Cape Hatteras
Fernandina
Pointe Rosa
REFERENCES.
CLEAR
CLOUDY
SNOW
FAIR
RAIN
Arrow flies with the wind
Figures at base of arrow show velocity of wind in miles per hour
Absence of arrow indicates calm
The Figures in [illegible] show the average elevation of the locations in which they are placed
Light Brown shaded surfaces average under 500 ft above sea level
Dark Brown shaded surfaces average over 500 ft above sea level
Note
Barometric lines
Isothermal
PUBLISHED BY ORDER OF THE SECRETARY OF WAR
BRIG. GENL. & CHIEF SIGNAL OFFICER U.S.A.

WASHINGTON, D. C.,
THURSDAY, *April* 17, 1873—11 *p. m.*

SYNOPSIS.

The area of low barometer, that was Wednesday night over Illinois, Southern Michigan, and the Ohio Valley, continues over nearly the same portion of country, with special storm-centres in Indiana, on Lake Huron, and possibly near Cape Hatteras. The pressure has fallen decidedly throughout New England and the Middle States, and to a less extent over the Lake region. The temperature has fallen in the Southern States east of the Mississippi, and has risen somewhat in the Ohio Valley. Northeast winds, with cloud and rain, prevail in New England, on the Lower Lakes, and on Lake Michigan. Southwesterly winds, with rain, in Southern Illinois, Indiana, and Ohio. Northwest winds, diminishing to calms, with clear weather, are reported from the Southern States. The pressure has fallen, with increasing southerly winds, in Nebraska and the Northwest, so far as heard from, during Thursday.

PROBABILITIES.

The area of lowest barometer develop on Friday especially over the Lower Lakes and Michigan, with local centres in Indiana and over Lake Ontario. The storm-centre near Long Island move slowly toward Cape Cod. For New England, continued northeasterly winds and rain. For the Lower Lakes, variable winds, mostly from the east, with rain. For the Ohio and Lower Missouri Valleys, generally westerly winds, cloudy and clearing weather. For the Southern States, rising temperature and clearing weather. The barometer continue falling in the Northwest, and the region of southerly winds extend eastward into Missouri and Minnesota. For the Middle Atlantic States, partly cloudy and clearing weather.

Cautionary signals continue at Chicago, Milwaukee, Grand Haven, Detroit, Toledo, Cleveland, Buffalo, Oswego, Rochester, New York, New Haven, New London, Wood's Hole, and Boston, and are ordered for Portland, Me.

FACTS—7.35 A. M., (*following the above "Probabilities."*)

WIND AND WEATHER.

(1.) *Clear.*—At Duluth, Lake City, Shreveport, and Washington, calm; Mobile, wind NW., light; Augusta, Lynchburg, and Wilmington, wind SW., light; Omaha, wind W., light; Saint Paul, wind NW., light; New Orleans, Memphis, and Punta Rassa, wind W., fresh; Baltimore, wind NW., fresh.

(2.) *Fair.*—At La Crosse, calm; Stanley, wind S., light; Jacksonville, wind SW., gentle; Norfolk, wind W., gentle; Galveston, wind S., gentle; Boston, wind E., fresh; Key West, Chicago, and Saint Louis, wind NW., fresh; Davenport, wind NE., fresh; Philadelphia, wind W., fresh; Milwaukee, wind N., fresh.

(3.) *Cloudy.*—At Indianapolis and Detroit, calm; Keokuk, wind NW., light; Dover, wind W., light; Charleston, wind W., gentle; Burlington and Rochester, wind S., gentle; Montreal, wind E., gentle; Montgomery, Cleveland, and Pittsburgh, wind SW., gentle; Grand Haven, wind NE., gentle; Alpena, wind NW., gentle; Eastport, Toronto, and Quebec, wind NE., fresh; Escanaba, New London, and Toledo, wind N., fresh; Kingston, wind E., fresh; Louisville and Savannah, wind SW., fresh; New York, wind NW., fresh.

(4.) *Rainy.*—At Cincinnati, wind S., gentle; Knoxville, wind S., fresh; Nashville, wind W., fresh; Oswego, wind SE., fresh.

(5.) *Snowy.*—At Buffalo and Saugeen, calm; Portland, Me., wind NE., brisk.

GENERAL REMARKS AS TO VERIFICATIONS.

The above "Probabilities" were generally verified, except "for New England, continued rain," and "for the Lower Lakes, variable winds, mostly from the east," partly verified; "local centre in Indiana," "the region of southerly winds extend eastward into Missouri and Minnesota," and "cautionary signals at Chicago, Milwaukee, Grand Haven, Detroit, Toledo, Cleveland, Buffalo, Oswego, and Rochester," not verified.

METEOROLOGICAL RECORD, APRIL 18, 1873—7.35 A. M.

Place of observation.	Barometer.	Thermometer.	Relative humidity, per cent.	Wind.		Clouds.			Rain-fall in last 8 hours.	State of the weather.
				Direction.	Velocity.	Amount of lower.	Amount of upper.	Direction of upper.		
Alpena, Mich	29.66	36	90	N. W.	4	4-4				Cloudy.
Augusta, Ga	29.86	55	44	S. W.	4	0	0			Clear.
Baltimore, Md	29.70	44	80	N. W.	8	Smoky	Hazy			Clear.
Boston, Mass	29.64	40	95	E.	10	Fog			.81	Foggy.
*Breckenridge, Minn	29.82	33	80	N.	12	0	0			Clear.
Buffalo, N. Y	29.53	37	90	Calm.	0	4-4			.01	Light snow.
Burlington, Vt	29.69	41	57	S.	4	4-4			.01	Threatening.
*Cairo, Ill	29.78	45	85	N. W.	2	4-4			.09	Cloudy.
Cape May, N. J	29.71	44	84	N. W.	16	0	2-4	N. W.		Fair.
Charleston, S. C	29.86	53	54	W.	4	Smoky	4-4	W.		Cloudy.
*Cheyenne, Wyo	29.90	35	54	N. W.	8	2-4	0			Fair.
Chicago, Ill	29.69	37	90	N. W.	9	Fog			.02	Foggy.
Cincinnati, Ohio	29.63	45	76	S.	4	4-4			.07	Light rain.
Cleveland, Ohio	29.68	41	82	S. W.	4	4-4			.02	Threatening.
*Corinne, Utah	29.91	41	52	N.	4	0	2-4	W.		Fair.
Davenport, Iowa	29.74	39	84	N. E.	6	1-4	2-4	N. E.		Clearing.
*Denver, Colo	29.94	43	43	Calm.	0	0	4-4			Cloudy.
Detroit, Mich	29.58	40	91	Calm.	0	4-4			.09	Threatening.
Duluth, Minn	29.75	30	77	Calm.	0	0	0			Clear.
Eastport, Me	29.95	35	90	N. E.	8	4-4				Cloudy.
Escanaba, Mich		37	81	N.	6	4-4				Cloudy.
*Fort Benton, Mont	30.01	37	71	E.	12	0	2-4	W.		Fair.
*Fort Garry, Manitoba	29.80	30	73	N. W.	19	Hazy	0			Fair.
*Fort Gibson, Ind. T	30.03	34	89	Calm.	0	Fog	0			Fair.
*Fort Sully, Dak	29.98	36	61	W.	2	0	0			Fair.
*Galveston, Tex	30.00	64	57	S.	5	0	3-4	S. W.		Fair.
Grand Haven, Mich	29.62	42	83	N. E.	4	4-4				Cloudy.
Indianapolis, Ind	29.59	39	91	Calm.	0	4-4			.16	Threatening.
*Indianola, Tex	30.02	62	80	S.	8	0	3-4	W.		Fair.
Jacksonville, Fla	29.93	55	50	S. W.	4	0	2-4	S. W.		Fair.
Keokuk, Iowa	29.73	42	91	N. W.	2	4-4				Cloudy.
Key West, Fla	29.99	68	64	N. W.	8	Hazy	1-4	N. W.	.05	Fair.
Kingston, Canada	29.68	36	90	E.	6	4-4				Cloudy.
Knoxville, Tenn	29.76	45	67	S.	12	4-4			.01	Light rain.
La Crosse, Wis	29.76	40	83	Calm.	0	4-4				Clearing.
Lake City, Fla	29.90	54	73	Calm.	0	0	0			Clear.
*Leavenworth, Kans	29.85	37	90	N. W.	2	0	0			Clear.
Louisville, Ky	29.51	43	83	S. W.	8	Smoky	4-4	W.	.05	Cloudy.
Lynchburg, Va	29.72	41	67	S. W.	4	0	0			Clear.
*Marquette, Mich	29.72	37	71	N.	8	0	1-4			Fair.
Memphis, Tenn	29.89	49	63	W.	8	1-4	0			Clear.
Milwaukee, Wis	29.63	35	100	N.	6	Fog				Foggy.
Mobile, Ala	30.01	48	77	N. W.	2	0	0			Clear.
Montgomery, Ala	29.93	49	63	S. W.	4	4-4				Cloudy.
Montreal, Canada	29.72	39	90	E.	4	4-4			.20	Cloudy.
Mount Washington, N. H	29.68	16	83	N.	60	4-4			.10	Cloudy.
Nashville, Tenn	29.75	47	77	W.	7	4-4			.01	Light rain.
New London, Conn	29.61	42	96	N.	8	4-4			.08	Cloudy.
New Orleans, La	30.01	52	58	W.	6	0	0			Clear.
New York, N. Y	29.65	40	95	N. W.	7	4-4			.08	Cloudy.
Norfolk, Va	29.77	48	77	W.	4	0	Hazy			Fair.
Omaha, Nebr	29.90	38	72	W.	4	0	0			Clear.
Oswego, N. Y	29.60	40	82	S. E.	8	4-4			.01	Light rain.
Pembina, Dak	29.88	32	79	N. W.	17	0	Hazy			Fair.
Philadelphia, Pa	29.69	43	79	W.	9	Smoky	2-4	N. W.		Fair.
Pittsburgh, Pa	29.65	39	91	S. W.	4	4-4				Cloudy.
Port Dover, Canada	29.54	35	90	W.	1	0	4-4	W.		Cloudy.
Port Stanley, Canada	29.67	35	96	S.	1	Fog				Foggy.
Portland, Me	29.75	34	100	N. E.	24	4-4			.10	Light snow.
*Portland, Oreg	30.02	52	79	Calm.	0	4-4			.05	Cloudy.
Punta Rassa, Fla	30.00	69	56	W.	14	0	0			Clear.
Quebec, Canada	29.86	35	79	N. E.	9	4-4				Cloudy.
Rochester, N. Y	29.59	38	86	S.	4	4-4			.16	Cloudy.
*San Diego, Cal	30.00	53	93	N. E.	2	1-4	0			Fair.
*San Francisco, Cal	30.03	52	86	N. W.	8	4-4				Cloudy.
*Santa Fé, N. Mex	29.72	46	19	Calm.	0	0	0			Clear.
Saugeen, Canada	29.71	35	90	Calm.	0	4-4				Light snow.
Savannah, Ga	29.89	51	59	S. W.	6	Smoky	4-4	W.		Cloudy.
*Shreveport, La	29.99	47	77	Calm.	0	0	0			Light fog.
Saint Louis, Mo	29.73	42	83	N. W.	12	0	2-4	N. W.		Fair.
*Saint Paul, Minn	29.74	39	53	N. W.	4	0	0			Clear.
Toledo, Ohio	29.61	41	91	N.	8	4-4				Cloudy.
Toronto, Canada	29.60	34	92	N. E.	9	4-4			.07	Cloudy.
*Vicksburg, Miss	30.01	45	84	W.	2	0	0			Clear.
Virginia City, Mont										
Washington, D. C	29.71	51	68	Calm.	0	0	0			Clear.
Wilmington, N. C	29.82	53	54	S. W.	4	0	0			Clear.
Yankton, Dak	29.90	33	92	Calm.	0	0	0			Clear.

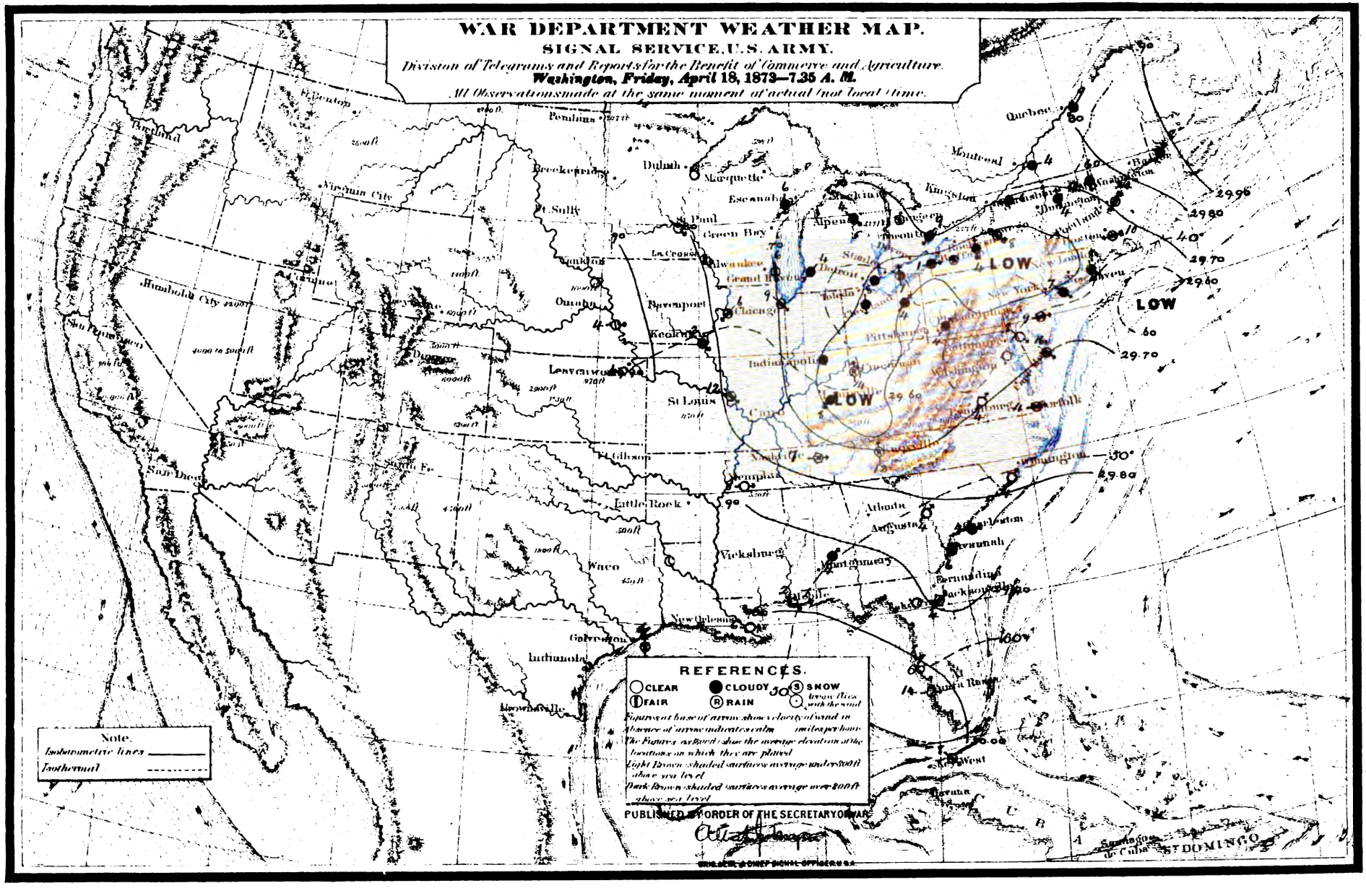
WAR DEPARTMENT WEATHER MAP.

SIGNAL SERVICE, U.S. ARMY.

Division of Telegrams and Reports for the Benefit of Commerce and Agriculture.

Washington, Friday, April 18, 1873—7.35 A. M.

All Observations made at the same moment of actual local time.



WASHINGTON, D. C.,
FRIDAY, *April* 18, 1873—7.35 *a. m.*

SYNOPSIS.

The area of low barometer, that extended on Thursday morning over Indiana, Ohio, and Michigan, now extends over the Ohio Valley, Lower Lakes, and Middle States, with special local depressions in Southern Indiana, Eastern Lake Erie, and south of Rhode Island. Easterly winds, increasing to brisk, with snow and rain, are reported from New England. North and west winds, with partly cloudy and clear weather, in the Middle Atlantic States. Light variable winds and threatening weather and occasional light snow and rain are reported from the Lower Lakes. Fresh northerly winds from Lake Michigan. Partly cloudy and clearing weather from Iowa and Lake Superior and the Western Gulf States.

PROBABILITIES.

During the rest of Friday, the barometric depressions on the Lower Lakes and off the New England coast continue slowly moving northeastward, with winds of increasing intensity and continued light rain or snow. The local storm in Southern Indiana move into Southern Ohio and Kentucky. Cloudy and rainy weather extend from this region to the Carolina coasts. For the Middle Atlantic States, southwesterly winds, with rapidly increasing cloudiness and possibly light local rains. For the Gulf States, westerly winds, partly cloudy and clear weather. For the Upper Lakes and the Northwest, clear weather and light winds, followed Friday night by falling barometer and southerly winds.

Cautionary signals continue at Oswego, Rochester, Boston, and Portland, Me., and are ordered for Eastport, Maine.

FACTS—4.35 P. M., (*following the above "Probabilities."*)

WIND AND WEATHER.

(1.) *Clear.*—At La Crosse, wind N., gentle; Marquette, wind SE., gentle; Cleveland, New Orleans, Omaha, and Duluth, wind NW., fresh; Leavenworth, wind N., fresh; Yankton, wind NW., brisk.

(2.) *Fair.*—At Buffalo, wind SW., light; Boston, Davenport, and Saugeen, wind NW., gentle; Denver, wind E., gentle; Philadelphia and Santa Fé, wind W., gentle; New York, wind SW., gentle; Cape May and Milwaukee, wind SE., fresh; Cheyenne, wind NE., fresh; Augusta, wind SW., fresh; Keokuk, Saint Paul, and Wilmington, wind W., fresh; Fort Gibson, Mobile, and Saint Louis, wind NW., fresh; Escanaba and Galveston, wind S., fresh; Key West, Punta Rassa, and Vicksburg, wind NW., brisk; Jacksonville and Lake City, wind SW., brisk; Knoxville and Savannah, wind W., brisk; Indianola, wind S., brisk.

(3.) *Cloudy.*—At Kingston, calm; Burlington, wind W., light; Stanley, wind SW., light; Pittsburgh, wind N., light; Toronto, wind S., light; Montreal, wind NE., gentle; Cincinnati and Rochester, wind W., gentle; Washington, wind S., gentle; Dover, Toledo, and Lynchburg, wind SW., gentle; Norfolk, wind NE., gentle; Alpena, Indianapolis, Cairo, New London, and Nashville, wind NW., fresh; Chicago, Memphis, Montgomery, and Charleston, wind W., fresh; Baltimore, wind SE., fresh; Eastport, wind NE., brisk; Louisville, wind W., brisk.

(4.) *Rainy.*—At Oswego, wind NW., gentle; Detroit, wind NW., fresh.

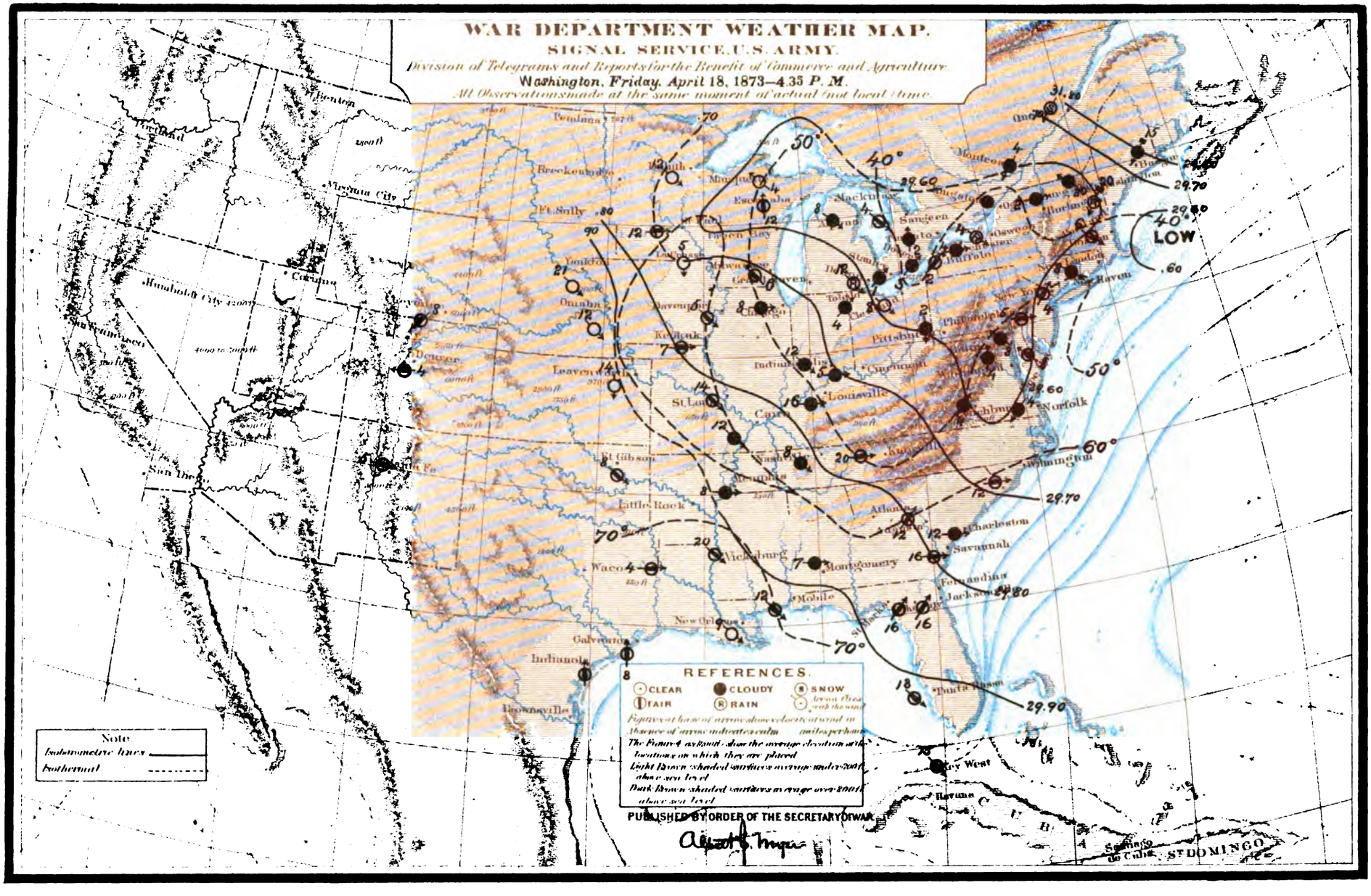
(5.) *Snowy.*—At Portland, Me., wind NE., brisk; Quebec, wind NE., high.

GENERAL REMARKS AS TO VERIFICATIONS.

The above "Probabilities" were generally verified, except "cloudy and rainy weather extend to the Carolina coasts," and "cautionary signals at Oswego and Rochester," not verified.

METEOROLOGICAL RECORD, APRIL 18, 1873—4.35 P. M.

Place of observation.	Barometer.	Thermometer.	Relative humidity, per cent.	Wind.		Clouds.			Rain-fall in last 8 hours.	State of the weather.
				Direction.	Velocity.	Amount of lower.	Amount of upper.	Direction of upper.		
Alpena, Mich	29.59	42	74	N. W.	8	4-4	.....	.....	.11	Cloudy.
Augusta, Ga	29.78	61	39	S. W.	12	0	2-4	W.	.....	Fair.
Baltimore, Md	29.62	54	58	S. E.	8	4-4	.....	.....	.....	Threatening.
Boston, Mass	29.59	42	91	N. W.	6	Fog...	.....	.....	.....	Foggy.
*Breckenridge, Minn	29.94	40	68	N.	25	0	0	.....	.....	Clear.
Buffalo, N. Y	29.54	40	91	S. W.	2	Smoky	2-4	S. W.	.02	Fair.
Burlington, Vt	29.59	43	58	W.	2	4-4	.....	.....	.....	Threatening.
Cairo, Ill	29.82	53	61	N. W.	12	2-4	2-4	.....	.....	Threatening.
Cape May, N. J	29.66	49	78	S. E.	8	0	2-4	W.	.....	Fair.
Charleston, S. C	29.73	64	29	W.	12	Hazy..	4-4	W.	.....	Cloudy.
Cheyenne, Wyo	29.93	56	17	N. E.	8	0	2-4	.....	.....	Fair.
Chicago, Ill	29.75	44	68	W.	8	0	4-4	W.	.....	Cloudy.
Cincinnati, Ohio	29.69	49	71	W.	5	4-4	.....	.....	.14	Threatening.
Cleveland, Ohio	29.59	44	76	N. W.	8	0	1-4	W.	.....	Clear.
*Corinne, Utah	29.93	73	10	W.	6	0	0	.....	.....	Clear.
Davenport, Iowa	29.76	55	55	N. W.	5	0	2-4	N. W.	.....	Fair.
Denver, Colo	29.94	63	11	E.	4	0	2-4	N. W.	.....	Fair.
Detroit, Mich	29.57	44	84	N. W.	12	4-4	.....	.....	.06	Light rain.
Duluth, Minn	29.67	56	.....	N. W.	12	0	0	.....	.....	Clear.
Eastport, Me	29.80	37	81	N. E.	15	4-4	.....	.....	.....	Cloudy.
Escanaba, Mich	.....	43	67	S.	12	1-4	0	.....	.....	Fair.
*Fort Benton, Mont	29.91	67	25	E.	2	0	1-4	.....	.....	Fair.
Fort Garry, Manitoba	29.88	41	52	N.	10	0	0	.....	.....	Clear.
Fort Gibson, Ind. T	29.99	63	28	N. W.	8	0	2-4	N. W.	.....	Fair.
*Fort Sully, Dak	29.99	55	22	N.	12	0	3-4	N. W.	.....	Fair.
Galveston, Tex	29.95	74	59	S.	8	0	2-4	N. W.	.....	Fair.
*Grand Haven, Mich	29.67	37	80	N. W.	20	4-4	.....	.....	.....	Cloudy.
Indianapolis, Ind	29.69	49	62	N. W.	12	0	4-4	N. W.	.....	Cloudy.
Indianola, Tex	29.93	75	60	S.	19	1-4	1-4	W.	.....	Fair.
Jacksonville, Fla	29.83	70	28	S. W.	16	0	2-4	S. W.	.....	Fair.
Keokuk, Iowa	29.77	58	42	W.	7	0	2-4	W.	.....	Fair.
Key West, Fla	29.93	69	52	N. W.	15	Hazy..	2-4	N. W.	.....	Fair.
Kingston, Canada	.....	41	82	Calm.	0	4-4	0	.....	.02	Cloudy.
Knoxville, Tenn	29.78	49	48	W.	20	1-4	3-4	W.	.15	Clearing.
La Crosse, Wis	29.70	60	.....	N.	5	Smoky	0	.....	.....	Clear.
Lake City, Fla	29.83	66	38	S. W.	16	0	2-4	S. W.	.....	Fair.
Leavenworth, Kans	29.81	60	29	N.	14	0	0	.....	.....	Clear.
Louisville, Ky	29.72	48	63	W.	16	Smoky	4-4	W.	.....	Cloudy.
Lynchburg, Va	29.59	50	72	S. W.	4	2-4	2-4	S. W.	.01	Cloudy.
Marquette, Mich	29.58	50	58	S. E.	4	0	0	.....	.....	Clear.
Memphis, Tenn	29.86	62	31	W.	8	1-4	3-4	W.	.....	Cloudy.
Milwaukee, Wis	29.66	39	91	S. E.	6	Smoky	3-4	W.	.....	Clearing.
Mobile, Ala	29.93	70	32	N. W.	12	0	2-4	N.	.....	Fair.
Montgomery, Ala	29.88	63	28	W.	7	0	4-4	W.	.....	Cloudy.
Montreal, Canada	29.61	40	82	N. E.	4	4-4	.....	.....	.02	Cloudy.
Mount Washington, N. H	29.66	18	74	S. E.	20	4-4	.....	.....	.....	Cloudy.
Nashville, Tenn	29.79	55	45	N. W.	8	2-4	2-4	W.	.07	Cloudy.
New London, Conn	29.65	47	79	N. W.	8	4-4	.....	.....	.....	Cloudy.
New Orleans, La	29.93	69	31	N. W.	9	0	0	.....	.....	Clear.
New York, N. Y	29.63	50	58	S. W.	4	1-4	2-4	S. W.	.....	Fair.
Norfolk, Va	29.66	56	65	N. E.	4	0	4-4	.....	.....	Cloudy.
Omaha, Nebr	29.83	61	31	N. W.	12	0	0	.....	.....	Clear.
Oswego, N. Y	29.70	40	91	N. W.	4	4-4	.....	.....	.02	Light rain.
*Pembina, Dak	29.96	41	57	N. W.	12	0	1-4	.....	.....	Fair.
Philadelphia, Pa	29.61	53	50	W.	5	1-4	2-4	.....	.....	Fair.
Pittsburgh, Pa	29.60	48	84	N.	2	4-4	.....	.....	.....	Cloudy.
Port Dover, Canada	29.55	42	74	S. W.	3	0	4-4	S. W.	.....	Cloudy.
Port Stanley, Canada	29.63	39	95	S. W.	1	4-4	.....	.....	.....	Cloudy.
Portland, Me	29.65	36	100	N. E.	20	4-4	.....	.....	.22	Light rain.
*Portland, Oreg	30.03	66	40	Calm.	0	2-4	.....	.....	.....	Fair.
Punta Rassa, Fla	29.95	69	56	N. W.	18	Hazy..	2-4	N. W.	.....	Fair.
Quebec, Canada	29.82	35	100	N. E.	31	4-4	.....	.....	.05	Heavy snow.
Rochester, N. Y	29.57	42	74	W.	4	4-4	.....	.....	.06	Cloudy.
*San Diego, Cal	30.03	62	61	W.	13	0	1-4	W.	.....	Fair.
*San Francisco, Cal	30.06	58	76	W.	20	1-4	0	.....	.....	Fair.
Santa Fé, N. Mex	29.68	62	0	W.	5	0	1-4	.....	.....	Fair.
Saugeen, Canada	29.59	35	90	N. W.	4	Fog...	.....	.....	.02	Foggy.
Savannah, Ga	29.77	66	23	W.	16	0	2-4	W.	.....	Fair.
Shreveport, La	29.87	76	26	W.	4	Hazy..	2-4	W.	.....	Fair.
Saint Louis, Mo	29.80	53	54	N. W.	14	2-4	0	.....	.....	Fair.
Saint Paul, Minn	29.59	62	31	W.	12	0	1-4	W.	.....	Fair.
Toledo, Ohio	29.59	53	60	S. W.	4	2-4	2-4	.....	.01	Cloudy.
Toronto, Canada	29.57	41	82	S.	2	1-4	3-4	S. W.	.....	Cloudy.
Vicksburg, Miss	29.90	72	25	N. W.	20	0	2-4	N. W.	.....	Fair.
Virginia City, Mont	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Washington, D. C	29.60	60	44	S.	4	0	4-4	W.	.....	Threatening.
Wilmington, N. C	29.68	62	36	W.	12	1-4	2-4	W.	.....	Fair.
Yankton, Dak	29.92	44	89	N. W.	21	0	0	.....	.....	Clear.


WAR DEPARTMENT WEATHER MAP.
SIGNAL SERVICE, U.S. ARMY.
Division of Telegrams and Reports for the Benefit of Commerce and Agriculture.
Washington, Friday, April 18, 1873—4.35 P. M.
All Observations made at the same moment of actual (not local) time.
LOW
REFERENCES.
CLEAR
CLOUDY
SNOW
FAIR
RAIN
Note
Isobarometric lines
Isothermal
PUBLISHED BY ORDER OF THE SECRETARY OF WAR.
Alexander Myers
Brownsville
Galveston
Indianola
New Orleans
Mobile
Montgomery
Vicksburg
Waco
Little Rock
Memphis
Nashville
Atlanta
Charleston
Savannah
Jacksonville
Fernandina
Wilmington
Norfolk
Louisville
Cairo
St. Louis
Leavenworth
Denver
Omaha
Yankton
Ft. Sully
Breckenridge
Pembina
Chicago
Cleveland
Buffalo
Toledo
Pittsburg
Philadelphia
Baltimore
Washington
Sandusky
Oswego
Mackinac
Green Bay
Milwaukee
Duluth
Key West
Havana
Santiago de Cuba
ST DOMINGO

WASHINGTON, D. C.,
FRIDAY, *April* 18, 1873—4.35 *p. m.*

SYNOPSIS.

The low barometer, that extended Thursday afternoon from Illinois to Western Pennsylvania, now prevails over the entire Lake region without any well-defined storm-centre; the low barometer that was over New Jersey is now central on Massachusetts Bay. Northeast winds, with cloud and rain, are reported from Maine; southeast and southwest winds, with threatening weather, in the Middle Atlantic States; light winds, mostly southwest, with cloudy weather, on the Lower Lakes; northerly winds, with rising barometer, in the extreme Northwest. Fresh westerly winds, with partly cloudy weather, prevail in the Gulf States and Ohio Valley. The temperature has risen throughout the Southern States, and thence over the Lower Missouri Valley. The rivers have risen at Shreveport and Saint Paul, and fallen at Nashville, Cincinnati, and Saint Louis.

PROBABILITIES.

The lowest barometer continue on Saturday over the Lower Lakes, and the storm-centre on Massachusetts Bay continue moving toward Nova Scotia. For Northern New England and the Lower Lakes, continued cloudy and clearing weather. For the Middle States, partly cloudy and clearing weather, with westerly winds. For the Southern States, westerly winds, rising temperature, and generally clear weather, except on the Texas coast, where southerly winds, with cloudy weather, are more probable. For the Upper Lakes and the Northwest, rising barometer, northerly winds, and clear weather.

Cautionary signals continue at Portland, Me., and Eastport.

FACTS—11 P. M., (*following the above "Probabilities."*)

WIND AND WEATHER.

(1.) *Clear.*—At Cheyenne, Denver, Galveston, Leavenworth, and Pembina, calm; Yankton and Mobile, wind NW., light; Memphis and New York, wind SE., light; Davenport, wind SW., light; Cincinnati, Duluth, Marquette, and New London, wind NW., gentle; Chicago, wind SW., gentle; Augusta, New Orleans, and Keokuk, wind W., fresh; Charleston and Saint Louis, wind SW., fresh; Omaha, wind NW., fresh.

(2.) *Fair.*—At Washington, calm; Shreveport, wind E., light; Dover, Indianapolis, Nashville, and Savannah, wind W., gentle; Cairo, wind NW., gentle; Milwaukee, wind SW., gentle; Louisville, wind W., fresh; La Crosse, wind NE., brisk; Saint Paul and Wilmington, wind NW., brisk.

(3.) *Cloudy.*—At Montgomery, calm; Burlington, wind SE., light; Oswego, wind S., light; Montreal, wind NE., light; Kingston and Toronto, wind SW., light; Pittsburgh, wind NW., light; Boston, wind N., gentle; Lynchburg, wind W., gentle; Norfolk, wind SE., gentle; Baltimore, wind N., fresh; Buffalo and Rochester, wind W., fresh; Detroit, wind NW., fresh; Toledo, wind SW., fresh.

(4.) *Rainy.*—At Stanley, calm; Philadelphia, wind W., gentle; Cleveland, wind W., fresh; Portland, Oreg., wind NE., fresh.

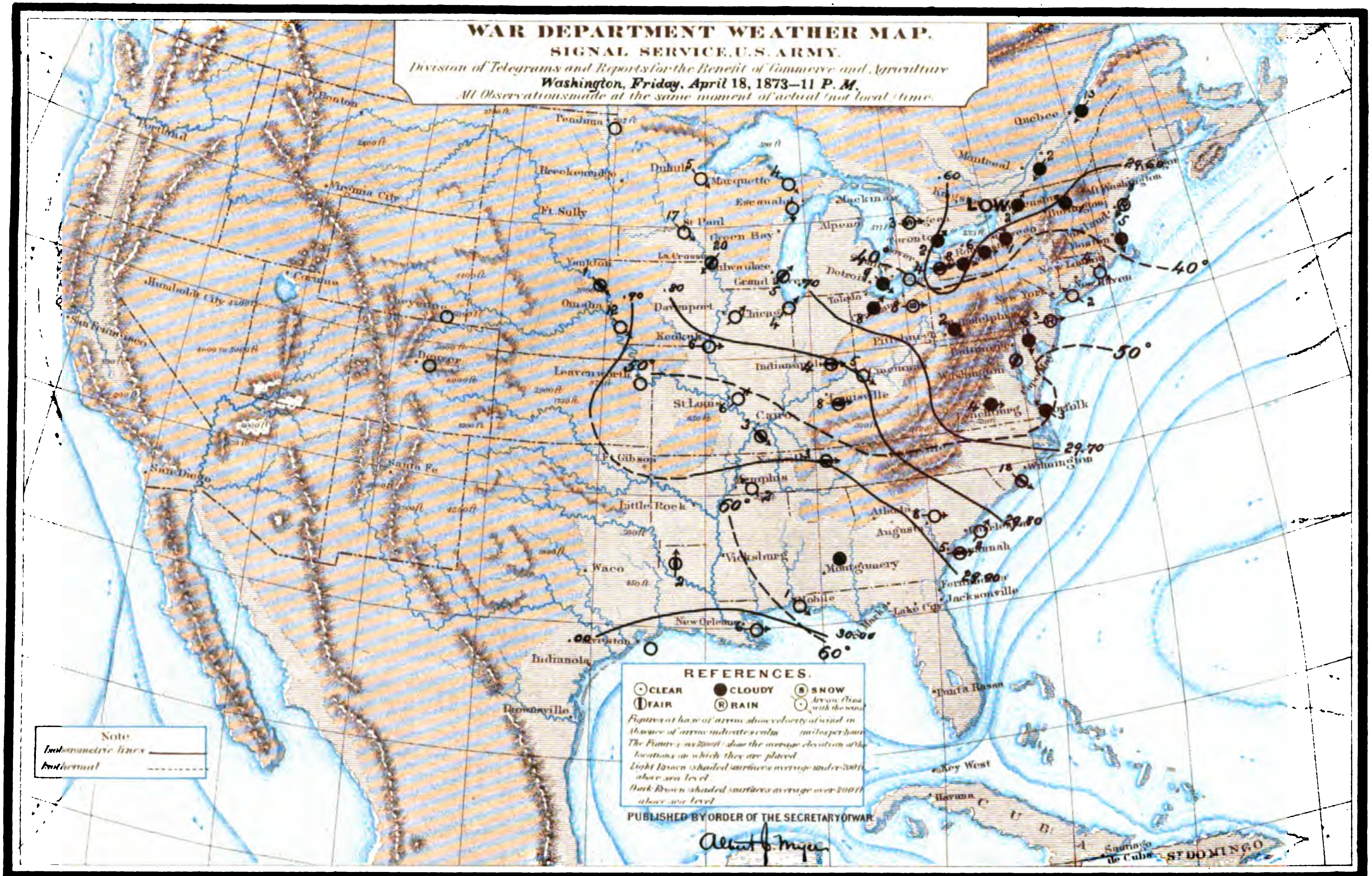
(5.) *Snowy.*—At Saugeen, wind W., gentle.

GENERAL REMARKS AS TO VERIFICATIONS.

The above "Probabilities" were generally verified, except "for Northern New England, continued cloudy and clearing weather," partly verified.

METEOROLOGICAL RECORD, APRIL 18, 1873—11 P. M.

Place of observation.	Barometer.	Thermometer.	Relative humidity, per cent.	Wind.		Clouds.			Rain-fall in last 8 hours.	State of the weather.
				Direction.	Velocity.	Amount of lower.	Amount of upper.	Direction of upper.		
*Alpena, Mich	29.61	39	91	Calm.	0	4-4				Cloudy.
Augusta, Ga	29.91	54	35	W.	8	1-4	0			Clear.
Baltimore, Md	29.66	49	78	N.	6	4-4			.12	Threatening.
Boston, Mass	29.65	39	91	N.	5	4-4				Cloudy.
*Breckenridge, Minn	30.03	33	80	N.	5	0	0			Clear.
Buffalo, N. Y	29.55	39	82	W.	8	4-4				Threatening.
Burlington, Vt	29.60	41	71	S. E.	1	4-4				Cloudy.
Cairo, Ill	29.90	50	58	N. W.	3	2-4				Fair.
*Cape May, N. J	29.67	47	85	S.	10	0	1-4	W.		Fair.
Charleston, S. C	29.83	56	51	S. W.	8	1-4	0			Clear.
Cheyenne, Wyo	29.98	41	57	Calm.	0	0	0			Clear.
Chicago, Ill	29.76	44	75	S. W.	4	0	0			Clear.
Cincinnati, Ohio	29.81	48	63	N. W.	5	0	0			Clear.
Cleveland, Ohio	29.66	42	91	W.	8	4-4			.04	Light rain.
*Corinne, Utah	29.99	54	38	N. W.	1	0	0			Clear.
Davenport, Iowa	29.78	48	77	S. W.	1	0	0			Clear.
Denver, Colo	30.02	49	44	Calm.	0	0	0			Clear.
Detroit, Mich	29.64	41	82	N. W.	9	4-4			.01	Threatening.
Duluth, Minn	29.88	40	65	N. W.	5	0	0			Clear.
*Eastport, Me	29.72	35	80	E.	12	4-4			.05	Light rain.
Escanaba, Mich		37	78	N.		0	0			Clear.
*Fort Benton, Mont	29.93	54	32	S. W.	1	0	1-4	S. W.		Fair.
Fort Garry, Manitoba	29.94	28	78	N.	3	0	0			Fair.
*Fort Gibson, Ind. T	30.06	47	77	Calm.	0	0	0			Clear.
*Fort Sully, Dak	30.05	43	36	E.	5	0	0			Fair.
Galveston, Tex	30.00	68	84	Calm.	0	0	1-4			Clear.
*Grand Haven, Mich	29.66	40	73	N.	12	2-4	0			Fair.
Indianapolis, Ind	29.81	45	76	W.	4	0	2-4	W.		Fair.
*Indianola, Tex	29.98	68	82	S.	11	4-4				Cloudy.
*Jacksonville, Fla	29.94	58	53	S. W.	8	2-4	0			Fair.
Keokuk, Iowa	29.82	45	61	W.	6	0	0			Clear.
*Key West, Fla	30.00	71	56	W.	27	1-4				Fair.
Kingston, Canada	29.62	34	95	S. W.	2	4-4				Cloudy.
*Knoxville, Tenn	29.90	46	53	S. W.	4	4-4				Cloudy.
La Crosse, Wis	29.73	54	43	N. E.	20	1-4				Fair.
*Lake City, Fla	29.95	64	68	W.	4	0	0			Clear.
Leavenworth, Kans	29.88	52	54	Calm.	0	0	0			Clear.
Louisville, Ky	29.84	46	62	W.	8	0	1-4			Fair.
Lynchburg, Va	29.68	43	67	W.	4	4-4			.02	Cloudy.
Marquette, Mich	29.77	34	79	N. W.	4	0	0			Clear.
Memphis, Tenn	29.94	54	55	S. E.	2	0	0			Clear.
Milwaukee, Wis	29.61	43	79	S. W.	5	1-4				Fair.
Mobile, Ala	30.00	58	64	N. W.	1	0	0			Clear.
Montgomery, Ala	29.92	57	52	Calm.	0	2-4				Cloudy.
Montreal, Canada	29.60	37	80	N. E.	2	4-4				Cloudy.
*Mount Washington, N. H	29.64	20	85	S. E.	6	4-4				Cloudy.
Nashville, Tenn	29.92	50	61	W.	3	1-4	0			Fair.
New London, Conn	29.67	40	91	N. W.	4	0	0			Clear.
New Orleans, La	30.00	61	70	W.	6	0	0			Clear.
New York, N. Y	29.66	43	84	S. E.	2	1-4	0			Clear.
Norfolk, Va	29.68	50	89	S. E.	3	0	4-4			Cloudy.
Omaha, Nebr	29.98	44	100	N. W.	12	0	0			Clear.
Oswego, N. Y	29.61	40	88	S.	1	4-4				Threatening.
Pembina, Dak	30.00	30	89	Calm.	0					Clear.
Philadelphia, Pa	29.65	47	70	W.	3	4-4				Light rain.
Pittsburgh, Pa	29.68	42	91	N. W.	2	4-4			.02	Cloudy.
Port Dover, Canada	29.64	38	81	W.	4	0	4-4	S. W.		Fair.
Port Stanley, Canada	29.66	38	47	Calm.	0	4-4			.02	Light rain.
Portland, Me	29.62	36	100	N. E.	8	4-4			.03	Light rain.
*Portland, Oreg	30.01	59	59	Calm.	0	0	1-4			Fair.
*Punta Rassa, Fla	30.00	67	59	N. W.	12	0	2-4	N. W.		Fair.
Quebec, Canada	29.59	36	81	N. E.	13	4-4				Cloudy.
Rochester, N. Y	29.59	40	72	W.	6	4-4				Cloudy.
*San Diego, Cal	30.03	56	87	S.	2	0	0			Clear.
*San Francisco, Cal	30.06	54	86	W.	20	1-4	0			Fair.
*Santa Fé, N. Mex	29.74	55	7	S. E.	8	4-4				Cloudy.
Saugeen, Canada	29.63	33	89	W.	3	4-4				Light snow.
Savannah, Ga	29.90	56	53	W.	5	2-4	0			Fair.
Shreveport, La	29.94	64	43	E.	2	0	1-4	W.		Fair.
Saint Louis, Mo	29.86	50	64	S. W.	6	0	Hazy			Clear.
Saint Paul, Minn	29.79	43	42	N. W.	17	0	0			Clear.
Toledo, Ohio	29.70	43	75	S. W.	8	4-4			.09	Cloudy.
Toronto, Canada	29.60	37	95	S. W.	2	4-4				Cloudy.
*Vicksburg, Miss	29.98	59	48	Calm.	0	0	0			Fair.
Virginia City, Mont										
Washington, D. C	29.64	52	72	Calm.	0	2-4	Hazy		.04	Fair.
Wilmington, N. C	29.78	55	44	N. W.	18	2-4				Fair.
Yankton, Dak	30.05	33	83	N. W.	1	0	0			Clear.


WAR DEPARTMENT WEATHER MAP.
SIGNAL SERVICE, U.S. ARMY.
Division of Telegrams and Reports for the Benefit of Commerce and Agriculture
Washington, Friday, April 18, 1873—11 P. M.
All Observations made at the same moment of actual (not local) time.
REFERENCES.
CLEAR
CLOUDY
SNOW
FAIR
RAIN
Figures at base of arrow show velocity of wind in miles per hour
Light Brown shaded surfaces average under 2000 ft above sea level
Dark Brown shaded surfaces average over 2000 ft above sea level
PUBLISHED BY ORDER OF THE SECRETARY OF WAR.
Note
Isobarometric lines
Isothermal
LOW
40°
50°
60°
29.70
29.80
29.90
30.00
Quebec
Montreal
Boston
New York
Philadelphia
Baltimore
Washington
Norfolk
Lynchburg
Pittsburg
Toronto
Detroit
Toledo
Chicago
Milwaukee
Grand Haven
Alpena
Mackinaw
Escanaba
Marquette
Duluth
St Paul
Green Bay
La Crosse
Davenport
Keokuk
Omaha
Yankton
Breckenridge
Pembina
Ft. Sully
Indianapolis
Cincinnati
Louisville
St Louis
Cairo
Memphis
Nashville
Leavenworth
Ft. Gibson
Little Rock
Vicksburg
Montgomery
Mobile
New Orleans
Galveston
Indianola
Waco
Atlanta
Augusta
Savannah
Charleston
Jacksonville
Lake City
Punta Rasa
Key West
Havana
Santiago de Cuba
CUBA
ST DOMINGO
Brownsville
Santa Fe
Denver
Cheyenne
Virginia City
Corinne
Humboldt City
San Francisco
San Diego
Portland
Ft. Benton

WASHINGTON, D. C.,
FRIDAY, *April* 18, 1873—11 *p. m.*

SYNOPSIS.

The area of low barometer, that extended Thursday night over Illinois and the Lower Lakes, is now confined to the latter region, where threatening weather, with occasional light rain and southwest winds, is reported. Northwesterly winds, with clear weather, prevail in Southern New England, but with threatening or rainy weather in New Jersey and Maryland. Partly cloudy and clear weather, with rising barometer, is reported from the Gulf and South Atlantic States, and thence northward to Lake Superior, with light and fresh winds over the same district. The temperature has risen somewhat in the Gulf States and the Valley of the Mississippi.

PROBABILITIES.

The area of lowest barometer continue, on Saturday, especially over Lake Ontario and Canada. For Northern New England and the Saint Lawrence Valley, easterly winds, threatening and rainy weather. For the Middle States, generally westerly winds, partly cloudy and clearing weather. For the Southern States and thence to Lake Erie and the Upper Lakes, rising barometer and generally clear weather.

Cautionary signals continue at Portland and Eastport. Current reports are very generally missing from the Upper Lakes, the Northwest, and the Rocky Mountain stations.

FACTS—7.35 A. M., (*following the above "Probabilities."*)

WIND AND WEATHER.

(1.) *Clear.*—At Lynchburg and Mobile, calm; New Orleans, wind SW., light; Keokuk, wind W., light; Memphis, wind S., light; Milwaukee, wind N., gentle; Augusta and Jacksonville, wind W., gentle; Indianapolis, wind SW., gentle; Baltimore, Washington, Wilmington, and Savannah, wind NW., fresh; Charleston, Lake City, and Saint Louis, wind W., fresh; Cincinnati and Louisville, wind SW., fresh; La Crosse, wind NE., fresh; Chicago and Grand Haven, wind N., brisk.

(2.) *Fair.*—At New York, Nashville, and Fort Gibson, calm; Montgomery, wind S., light; Knoxville, wind SW., light; Kingston, wind SW., gentle; New London and Shreveport, wind NE., gentle; Davenport, wind NE., fresh; Marquette, Philadelphia, and Omaha, wind NW., fresh; Key West and Punta Rassa, wind N., fresh; Toledo, wind S., fresh.

(3.) *Cloudy.*—At Burlington, wind S., light; Boston, Detroit, and Pittsburgh, wind NW., gentle; Dover, wind SW., gentle; Cleveland, wind SW., fresh; Cape May, wind NW., fresh; Portland, Me., wind N., fresh; Stanley, wind W., fresh; Alpena, wind NW., brisk; Escanaba, wind N., brisk.

(4.) *Rainy.*—At Toronto, wind SW., light; Montreal, wind E., gentle; Buffalo, Oswego, and Rochester, wind W., fresh; Norfolk, wind NW., fresh; Eastport, wind E., brisk.

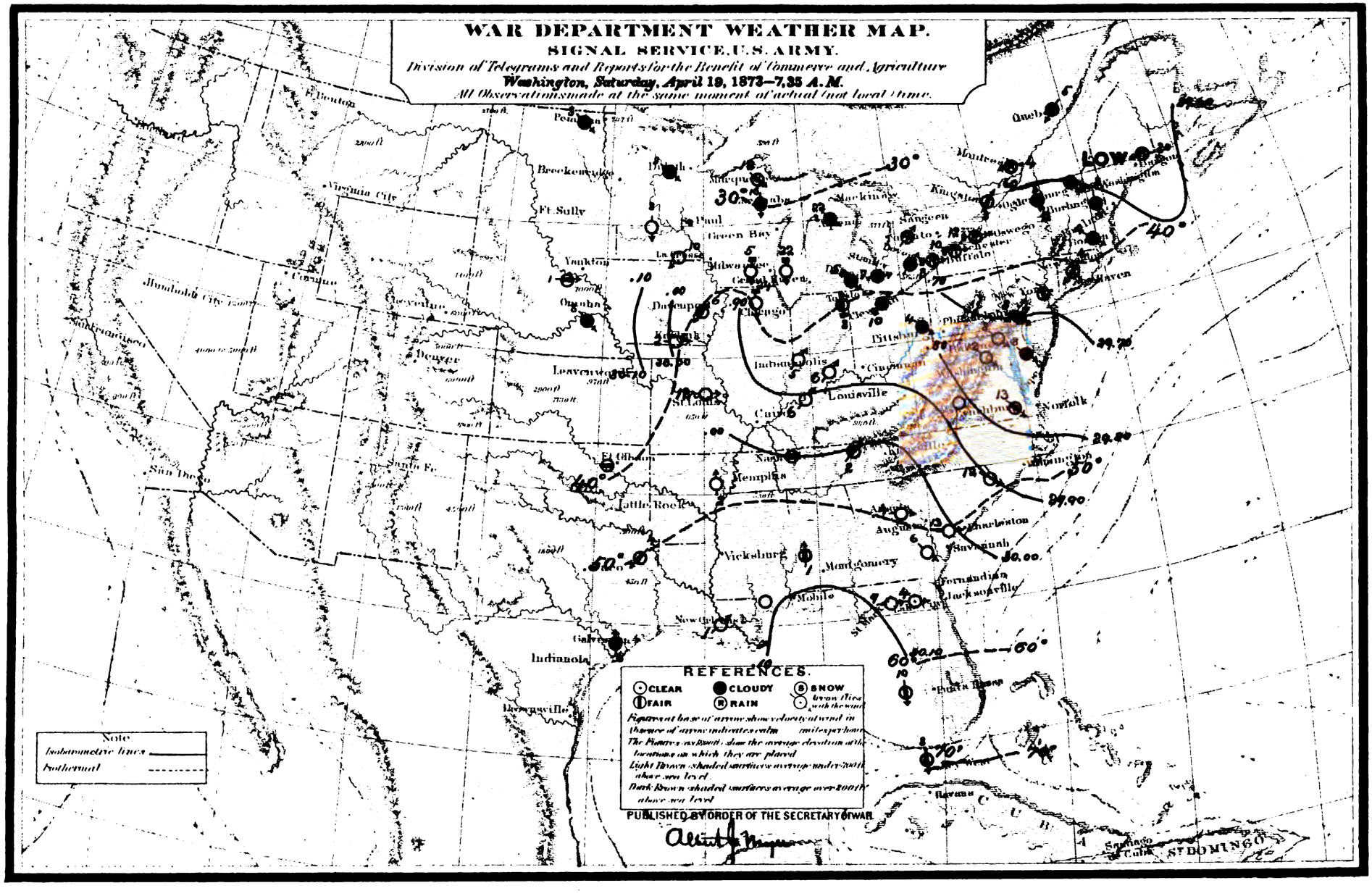
(5.) *Snowy.*—At Quebec, wind NE., gentle.

GENERAL REMARKS AS TO VERIFICATIONS.

The above "Probabilities" were generally verified.

METEOROLOGICAL RECORD, APRIL 19, 1873—7.35 A. M.

Place of observation.	Barometer.	Thermometer.	Relative humidity, per cent.	Wind.		Clouds.			Rain-fall in last 8 hours.	State of the weather.
				Direction.	Velocity.	Amount of lower.	Amount of upper.	Direction of upper.		
Alpena, Mich	29.70	33	70	N. W.	22	0	4-4	N. W.	.....	Cloudy.
Augusta, Ga	30.01	49	71	W.	4	0	0	.....	.....	Clear.
Baltimore, Md	29.75	48	67	N. W.	8	Smoky	Hazy	.....	.02	Clear.
Boston, Mass	29.67	40	73	N. W.	4	0	4-4	N. W.	.....	Cloudy.
*Breckenridge, Minn	30.09	32	79	Calm.	0	1-4	0	.....	.....	Fair.
Buffalo, N. Y	29.60	38	90	W.	8	4-4	.....	.....	.05	Light rain.
Burlington, Vt	29.61	41	73	S.	2	4-4	.....	.....	.....	Threatening.
*Cairo, Ill	29.92	45	85	W.	1	Hazy	Hazy	.....	.....	Fair.
Cape May, N. J	29.71	48	77	N. W.	8	1-4	4-4	W.	.....	Cloudy.
Charleston, S. C	29.96	57	28	W.	12	Hazy	0	.....	.....	Clear.
*Cheyenne, Wyo	29.99	33	61	W.	4	0	0	.....	.....	Clear.
Chicago, Ill	30.10	37	53	N.	24	0	0	.....	.....	Clear.
Cincinnati, Ohio	29.91	45	76	S. W.	6	Hazy	Hazy	.....	.....	Clear.
Cleveland, Ohio	29.72	41	82	S. W.	10	4-4	.....	.....	.02	Cloudy.
*Corinne, Utah	30.11	36	.....	N. W.	4	0	0	.....	.....	Clear.
Davenport, Iowa	29.94	42	66	N. E.	6	Smoky	1-4	.....	.....	Fair.
*Denver, Colo	30.08	36	80	Calm.	0	0	0	.....	.....	Clear.
Detroit, Mich	29.69	37	90	N. W.	5	4-4	.....	.....	.....	Cloudy.
*Duluth, Minn	30.03	32	58	N. W.	8	1-4	1-4	.....	.....	Clear.
Eastport, Me	29.64	35	100	E.	20	4-4	.....	.....	.55	Heavy rain.
Escanaba, Mich	.....	30	67	N.	16	4-4	.....	.....	.....	Cloudy.
*Fort Benton, Mont	30.06	46	54	S. W.	4	0	4-4	S. W.	.....	Fair.
*Fort Garry, Manitoba	29.99	25	80	E.	6	3-4	3-4	N. W.	.....	Cloudy.
Fort Gibson, Ind. T	30.15	40	39	Calm.	0	Fog	1-4	.....	.....	Fair.
*Fort Sully, Dak	30.11	33	80	E. S. E.	6	0	0	.....	.....	Fair.
Galveston, Tex	30.03	68	90	S.	6	1-4	2-4	N.	.....	Cloudy.
Grand Haven, Mich	29.82	35	69	N.	22	0	0	.....	.....	Clear.
Indianapolis, Ind	29.82	44	78	S. W.	5	Hazy	0	.....	.....	Clear.
*Indianola, Tex	30.03	68	89	S.	13	4-4	.....	.....	.....	Cloudy.
Jacksonville, Fla	30.05	58	52	W.	4	0	0	.....	.....	Clear.
Keokuk, Iowa	29.92	44	68	W.	2	0	0	.....	.....	Clear.
Key West, Fla	30.06	70	49	N.	8	0	1-4	N. W.	.....	Fair.
Kingston, Canada	29.64	35	97	S. W.	3	Fog	.....	.....	.01	Foggy.
Knoxville, Tenn	30.04	41	81	S. W.	2	0	1-4	W.	.....	Fair.
La Crosse, Wis	30.02	36	55	N. E.	10	0	0	.....	.....	Clear.
Lake City, Fla	30.06	54	73	W.	9	0	0	.....	.....	Clear.
*Leavenworth, Kans	30.04	38	72	N.	5	0	0	.....	.....	Clear.
Louisville, Ky	29.91	46	67	S. W.	6	0	0	.....	.....	Clear.
Lynchburg, Va	29.80	46	65	Calm.	0	0	0	.....	.....	Clear.
Marquette, Mich	29.93	27	88	N. W.	12	0	1-4	N.	.....	Fair.
Memphis, Tenn	30.06	49	71	S.	2	Smoky	0	.....	.....	Clear.
Milwaukee, Wis	29.86	34	85	N.	5	Smoky	0	.....	.....	Clear.
Mobile, Ala	30.11	53	73	Calm.	0	0	0	.....	.....	Clear.
Montgomery, Ala	30.08	52	72	S.	1	Smoky	0	.....	.....	Fair.
Montreal, Canada	29.57	33	90	E.	4	4-4	.....	.....	.10	Light rain.
Mount Washington, N. H	29.63	21	85	Calm.	0	4-4	.....	.....	.....	Cloudy.
Nashville, Tenn	30.00	48	70	Calm.	0	Smoky	Hazy	.....	.....	Fair.
New London, Conn	29.68	40	82	N. E.	4	2-4	0	.....	.....	Fair.
New Orleans, La	30.06	57	81	S. W.	1	0	Hazy	.....	.....	Clear.
New York, N. Y	29.68	44	84	Calm.	0	Fog	.....	.....	.....	Foggy.
Norfolk, Va	29.78	47	88	N. W.	13	4-4	.....	.....	.....	Light rain
Omaha, Nebr	30.12	34	89	N. W.	8	0	2-4	.....	.....	Fair.
Oswego, N. Y	29.62	36	90	W.	12	4-4	.....	.....	.06	Light rain.
*Pembina, Dak	30.05	28	88	N. W.	3	1-4	2-4	.....	.....	Fair.
Philadelphia, Pa	29.70	46	67	N. W.	8	Smoky	2-4	W.	.03	Fair.
Pittsburgh, Pa	29.76	42	83	N. W.	4	4-4	.....	.....	.....	Cloudy.
Port Dover, Canada	29.64	38	91	S. W.	3	0	4-4	S. W.	.02	Cloudy.
Port Stanley, Canada	29.69	38	97	W.	7	4-4	.....	.....	.03	Cloudy.
Portland, Me	29.60	36	90	N.	8	4-4	.....	.....	.02	Cloudy.
*Portland, Oreg	30.05	47	77	Calm.	0	Hazy	Hazy	.....	.....	Fair.
Punta Rasa, Fla	30.09	63	61	N.	10	0	1-4	W.	.....	Fair.
Quebec, Canada	29.57	34	85	N. E.	5	4-4	.....	.....	.05	Light snow.
Rochester, N. Y	29.62	38	86	W.	10	4-4	.....	.....	.04	Light rain.
*San Diego, Cal	30.07	48	85	N. E.	6	0	0	.....	.....	Clear.
*San Francisco, Cal	30.08	52	86	Calm.	0	4-4	.....	.....	.....	Cloudy.
*Santa Fé, N. Mex	29.83	44	37	Calm.	0	1-4	3-4	N. W.	.....	Cloudy.
*Saugeen, Canada	29.65	34	79	N. W.	9	4-4	.....	.....	.12	Sleet.
Savannah, Ga	30.02	53	53	N. W.	6	Hazy	0	.....	.....	Clear.
Shreveport, La	30.03	54	61	N. E.	4	Smoky	2-4	W.	.07	Fair.
Saint Louis, Mo	29.92	46	61	W.	12	Smoky	Hazy	.....	.....	Clear.
*Saint Paul, Minn	30.02	34	61	N. W.	8	0	0	.....	.....	Clear.
Toledo, Ohio	29.73	43	83	S.	8	Hazy	2-4	W.	.02	Clearing.
Toronto, Canada	29.63	37	95	S. W.	2	4-4	.....	.....	.01	Light rain.
*Vicksburg, Miss	30.10	52	60	S. E.	7	Smoky	0	.....	.....	Fair.
Virginia City, Mont	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Washington, D. C	29.75	47	70	N. W.	12	0	Hazy	.....	.....	Clear.
Wilmington, N. C	29.90	50	55	N. W.	12	0	0	.....	.....	Clear.
*Yankton, Dak	30.17	30	92	W.	1	0	1-4	.....	.....	Fair.


WAR DEPARTMENT WEATHER MAP.
SIGNAL SERVICE, U.S. ARMY.
Division of Telegrams and Reports for the Benefit of Commerce and Agriculture
Washington, Saturday, April 19, 1873—7.35 A.M.
All Observations made at the same moment of actual (not local) time.
REFERENCES.
CLEAR
CLOUDY
SNOW
FAIR
RAIN
Note
Isobarometric lines
Isothermal
PUBLISHED BY ORDER OF THE SECRETARY OF WAR.
Allen J. Myer
Brownsville
Galveston
Indianola
Vicksburg
Mobile
Montgomery
Augusta
Charleston
Savannah
Jacksonville
Fernandina
Norfolk
Louisville
Cairo
Memphis
Little Rock
Nashville
Ft. Gibson
Leavenworth
St. Louis
Omaha
Yankton
Ft. Sully
Brookenridge
Virginia City
Denver
Santa Fe
San Diego
San Francisco
Humboldt City
Cheyenne
Ft. Benton
Pembina
Duluth
Marquette
Mackinaw
Green Bay
Milwaukee
Chicago
Dubuque
Indianapolis
Cincinnati
Pittsburg
Buffalo
Toledo
Cleveland
Sandusky
Oswego
Kingston
Montreal
Quebec
New York
Philadelphia
Havana
Santiago
Cuba
ST. DOMINGO
LOW
30°
40°
50°
60°
70°
29.70
29.80
29.90
30.00
.10
.00
.90
.80
.70
.60
.50
.40
.30
.20
.10
.00

WASHINGTON, D. C.,
SATURDAY, *April* 19, 1873—7.35 *a. m.*

SYNOPSIS.

The area of low barometer, that extended Friday morning over the Ohio Valley and Lower Lakes, is now over the Lower Lakes and New England. The pressure has risen very generally throughout the Southern States and the Upper Lakes. Westerly winds, with light rain, prevail on Lake Ontario. Easterly winds, with cloud and rain, in Maine. Northwest winds, with clear weather, in the Middle Atlantic and South Atlantic States. Light winds and calms are reported from the Gulf States, except in Florida, where fresh northerly winds continue. The temperature has risen slightly on the Middle Atlantic coast, and fallen in Iowa.

PROBABILITIES.

The barometer continue to rise during the rest of Saturday over the Upper Lakes, the Ohio Valley, and Gulf States. Southwesterly winds prevail on the South Atlantic coast, and southerly winds on the immediate Gulf coast. Westerly winds, with cloudy weather and local rains, prevail in the Middle States, and very generally over New York and New England. Easterly winds continue in Northern Maine, followed by westerly winds Saturday night. Northwest winds, increasing to brisk, extend over Michigan and the Lower Lakes. Clear and partly cloudy weather prevail over the Upper Lakes, Missouri, and the Northwest.

Cautionary signals continue at Eastport, and are ordered for Milwaukee, Chicago, Grand Haven, Detroit, Toledo, Cleveland, Buffalo, Rochester, and Oswego.

Current reports are very generally missing from the Northwest and Rocky Mountain stations.

FACTS—4.35 P. M., (*following the above "Probabilities."*)

WIND AND WEATHER.

(1.) *Clear.*—At Chicago, wind NE., gentle; Memphis, wind W., gentle; Cape May, Augusta, Charleston, Savannah, and Montgomery, wind W., fresh; Wilmington, Indianapolis, Saint Paul, and Davenport, wind NW., fresh; Marquette, wind NE., fresh; Milwaukee, wind SE., fresh; Leavenworth, wind N., fresh; Punta Rassa, wind NW., brisk.

(2.) *Fair.*—At Portland, Me., and Pembina, calm; Portland, Oreg., wind SE., light; Denver, wind W., gentle; Omaha, wind E., gentle; Keokuk, wind NW., gentle; Alpena, Detroit, Escanaba, Stanley, Cincinnati, Lake City, Saint Louis, Shreveport, and Corinne, wind NW., fresh; Cairo, Louisville, Cleveland, Oswego, Nashville, Jacksonville, Baltimore, and New York, wind W., fresh; Key West, La Crosse, and New Orleans, wind N., fresh; Galveston, Vicksburg, and Indianola, wind S., fresh; Santa Fé, wind SW., fresh; San Francisco, Lynchburg, and Norfolk, wind W., brisk; Knoxville, wind SW., brisk; Dover, Rochester, and Toronto, wind NW., brisk.

(3.) *Cloudy.*—At Burlington, wind N., gentle; Fort Gibson, wind NW., gentle; Montreal, wind NE., fresh; Buffalo, wind W., fresh; Duluth, Saugeen, and Toledo, wind NW., fresh; New London and Mobile, wind SW., fresh; Philadelphia, wind W., brisk; Washington, wind NW., brisk.

(4.) *Rainy.*—At Boston, wind SE., gentle; Kingston, wind W., fresh.

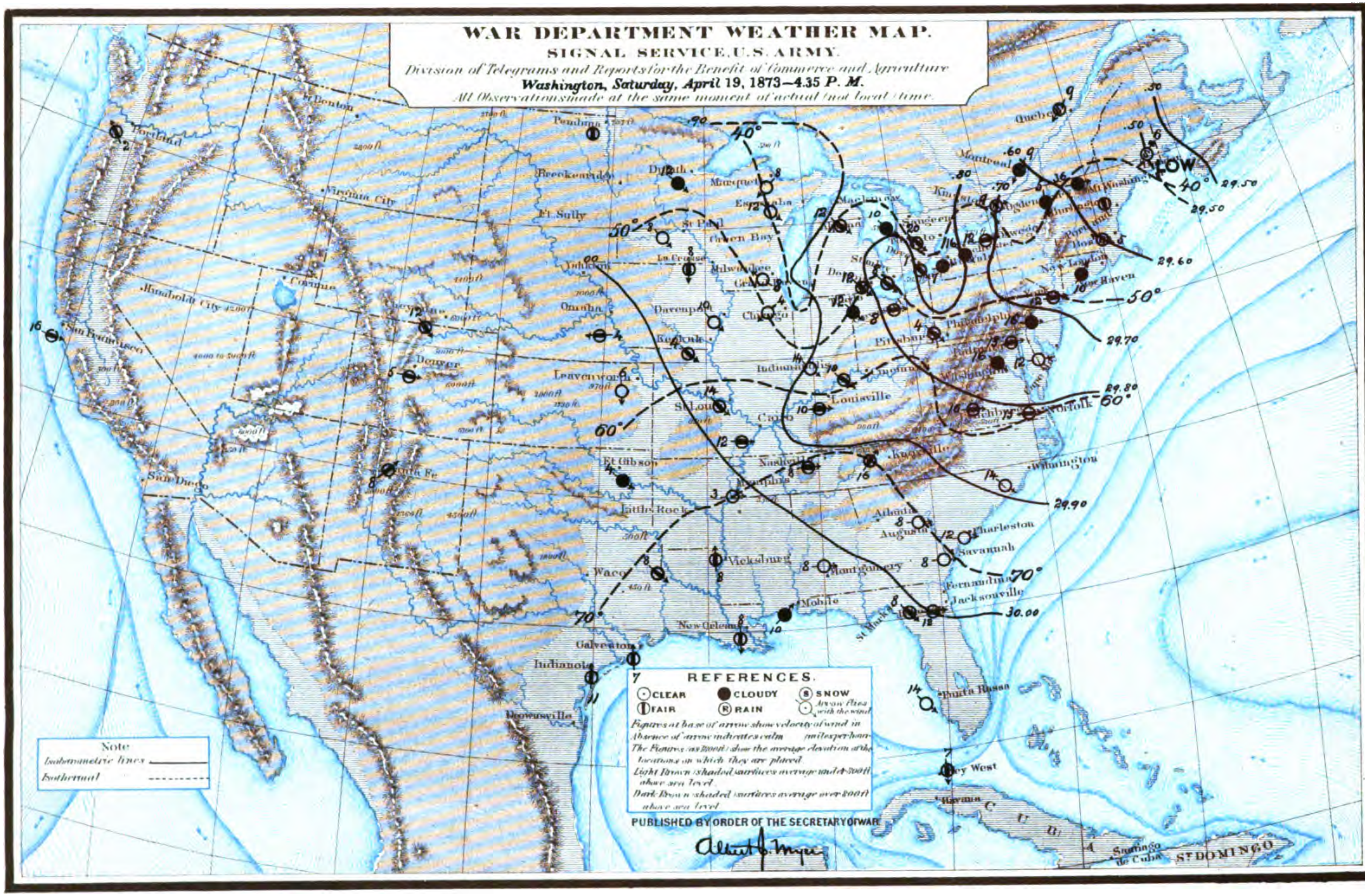
(5.) *Snowy.*—At Eastport and Quebec, wind NE., fresh.

GENERAL REMARKS AS TO VERIFICATIONS.

The above "Probabilities" were generally verified, except "southerly winds on the immediate Gulf coast," partly verified; "cautionary signals at Detroit, Toledo, Cleveland, Buffalo, Rochester, and Oswego," not considered verified.

METEOROLOGICAL RECORD, APRIL 19, 1873—4.35 P. M.

Place of observation.	Barometer.	Thermometer.	Relative humidity, per cent.	Wind.		Clouds.			Rain-fall in last 8 hours.	State of the weather.
				Direction.	Velocity.	Amount of lower.	Amount of upper.	Direction of upper.		
Alpena, Mich	29.82	44	.....	N. W.	12	0	Hazy..	N. W.	.....	Fair.
Augusta, Ga	29.97	69	27	W.	8	0	0	.....	.....	Clear.
Baltimore, Md	29.74	58	39	W.	13	1-4	2-4	N. W.	.....	Fair.
Boston, Mass	29.58	41	91	S. E.	5	4-4	.....	.....	.04	Light rain.
*Breckenridge, Minn	29.97	45	68	S. E.	9	4-4	.....	.....	.....	Cloudy.
Buffalo, N. Y	29.70	41	82	W.	9	0	4-4	W.	.08	Cloudy.
Burlington, Vt	29.59	44	67	N.	5	4-4	.....	.....	.....	Cloudy.
Cairo, Ill	29.90	68	25	W.	12	Hazy..	2-4	N. W.	.....	Fair.
Cape May, N. J	29.72	55	56	W.	12	0	0	.....	.....	Clear.
Charleston, S. C	29.93	67	29	W.	12	Hazy..	0	.....	.....	Clear.
Cheyenne, Wyo	30.03	64	24	N. W.	12	0	2-4	W.	.....	Fair.
Chicago, Ill	29.98	40	56	N. E.	4	0	0	.....	.....	Clear.
Cincinnati, Ohio	29.83	64	39	N. W.	10	2-4	0	.....	.....	Fair.
Cleveland, Ohio	29.81	47	62	W.	8	0	2-4	.....	.....	Fair.
*Corinne, Utah	30.18	72	12	S.	8	Smoky	0	.....	.....	Clear.
Davenport, Iowa	29.96	56	33	N. W.	10	Hazy..	Hazy..	.....	.....	Clear.
Denver, Colo	30.07	68	10	W.	5	0	1-4	N. W.	.....	Fair.
Detroit, Mich	29.76	51	28	N. W.	12	0	1-4	W.	.....	Fair.
Duluth, Minn	29.93	48	21	N. W.	12	1-4	3-4	N. W.	.....	Cloudy.
Eastport, Me	29.50	34	100	N. E.	6	4-4	.....	.....	.52	Heavy snow.
Escanaba, Mich	.....	44	45	N. W.	12	0	Hazy..	.....	.....	Fair.
*Fort Benton, Mont	30.10	70	13	N. W.	7	0	1-4	N. W.	.....	Fair.
Fort Garry, Manitoba	29.87	46	37	W.	9	2-4	0	.....	.....	Fair.
Fort Gibson, Ind. T	30.08	73	28	N. W.	4	4-4	2-4	.....	.....	Cloudy.
*Fort Sully, Dak	29.80	72	17	S. W.	13	3-4	0	.....	.....	Cloudy.
Galveston, Tex	30.00	75	67	S.	7	0	2-4	W.	.....	Fair.
*Grand Haven, Mich	29.93	37	52	N. W.	22	0	1-4	N. W.	.....	Clear.
Indianapolis, Ind	29.87	56	38	N. W.	14	0	1-4	W.	.....	Clear.
Indianola, Tex	30.02	75	67	S.	11	0	2-4	W.	.....	Fair.
Jacksonville, Fla	30.00	72	26	W.	12	0	1-4	N. W.	.....	Fair.
Keokuk, Iowa	29.96	58	42	N. W.	4	Smoky	1-4	.....	.....	Fair.
Key West, Fla	30.04	70	56	N.	7	0	1-4	N.	.....	Fair.
Kingston, Canada	29.67	39	91	W.	9	4-4	.....	.....	.....	Light rain.
Knoxville, Tenn	29.92	64	29	S. W.	16	0	1-4	N. W.	.....	Fair.
La Crosse, Wis	29.96	53	42	N.	8	Smoky	1-4	N. W.	.....	Fair.
Lake City, Fla	29.99	71	32	N. W.	8	0	1-4	.....	.....	Fair.
Leavenworth, Kans	30.00	60	20	N.	6	0	0	.....	.....	Clear.
Louisville, Ky	29.83	66	32	W.	10	1-4	2-4	S. W.	.....	Fair.
Lynchburg, Va	29.80	59	33	W.	16	0	2-4	N. W.	.....	Fair.
Marquette, Mich	29.97	37	81	N. E.	8	0	0	.....	.....	Clear.
Memphis, Tenn	30.00	72	19	W.	3	0	0	.....	.....	Clear.
Milwaukee, Wis	29.89	39	64	S. E.	8	0	1-4	.....	.....	Clear.
Mobile, Ala	30.07	71	62	S. W.	10	2-4	2-4	W.	.....	Cloudy.
Montgomery, Ala	30.00	73	24	W.	8	0	0	.....	.....	Clear.
Montreal, Canada	29.58	37	76	N. E.	9	0	4-4	N. E.	.....	Cloudy.
Mount Washington, N. H	29.58	25	87	W.	36	4-4	.....	.....	.....	Cloudy.
Nashville, Tenn	29.91	71	25	W.	8	0	2-4	W.	.....	Fair.
New London, Conn	29.61	47	77	S. W.	10	4-4	.....	.....	.....	Cloudy.
New Orleans, La	30.03	71	67	N.	8	0	2-4	W.	.....	Fair.
New York, N. Y	29.64	49	71	W.	12	2-4	2-4	W.	.04	Clearing.
Norfolk, Va	29.81	61	41	W.	15	0	2-4	W.	.....	Fair.
Omaha, Nebr	30.01	57	.....	E.	4	0	1-4	.....	.....	Fair.
Oswego, N. Y	29.68	39	81	W.	12	4-4	.....	.....	.02	Clearing.
Pembina, Dak	30.00	41	61	Calm.	0	0	2-4	.....	.....	Fair.
Philadelphia, Pa	29.70	54	40	W.	16	4-4	.....	.....	.....	Cloudy.
Pittsburgh, Pa	29.73	53	54	N. W.	4	Hazy..	1-4	N. W.	.....	Fair.
Port Dover, Canada	29.82	40	56	N. W.	17	0	3-4	N. W.	.02	Fair.
Port Stanley, Canada	29.84	43	58	N. W.	8	0	2-4	N. W.	.....	Fair.
Portland, Me	29.54	43	66	Calm.	0	0	2-4	N. W.	.....	Fair.
Portland, Oreg	30.40	69	47	S. E.	2	0	2-4	.....	.....	Fair.
Punta Rassa, Fla	30.07	68	45	N. W.	14	0	0	.....	.....	Clear.
Quebec, Canada	29.54	35	90	N. E.	9	4-4	.....	.....	.05	Light snow.
Rochester, N. Y	29.69	44	76	N. W.	16	0	1-4	N. W.	.12	Clearing.
*San Diego, Cal	30.09	63	66	N. W.	8	Hazy..	2-4	W.	.....	Fair.
San Francisco, Cal	29.42	60	66	W.	16	1-4	2-4	W.	.....	Fair.
Santa Fé, N. Mex	29.86	63	3	S. W.	8	0	2-4	N. W.	.....	Fair.
Saugeen, Canada	29.83	34	71	N. W.	10	0	4-4	N. W.	.01	Cloudy.
Savannah, Ga	29.96	69	20	W.	8	0	0	.....	.....	Clear.
Shreveport, La	29.98	77	18	N. W.	8	Smoky	2-4	W.	.....	Fair.
Saint Louis, Mo	29.94	62	27	N. W.	14	Hazy..	2-4	.....	.....	Fair.
Saint Paul, Minn	29.91	51	32	N. W.	8	0	0	.....	.....	Clear.
Toledo, Ohio	29.79	55	33	N. W.	12	1-4	3-4	N. W.	.....	Cloudy.
Toronto, Canada	29.74	43	65	N. W.	20	0	2-4	N. W.	.02	Fair.
Vicksburg, Miss	30.03	70	56	S.	8	0	2-4	W.	.....	Fair.
Virginia City, Mont	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Washington, D. C	29.75	58	37	N. W.	16	1-4	3-4	N. W.	.....	Cloudy.
Wilmington, N. C	29.88	67	32	N. W.	14	0	0	.....	.....	Clear.
*Yankton, Dak	30.00	54	74	S.	11	0	1-4	N. W.	.....	Fair.


WAR DEPARTMENT WEATHER MAP.
SIGNAL SERVICE, U.S. ARMY.
Division of Telegrams and Reports for the Benefit of Commerce and Agriculture
Washington, Saturday, April 19, 1873—4.35 P. M.
All Observations made at the same moment of actual (not local) time.
REFERENCES.
CLEAR
FAIR
CLOUDY
RAIN
SNOW
Arrow flies with the wind
Figures at base of arrow show velocity of wind in miles per hour.
Absence of arrow indicates calm
The Figures (as 8000 ft) show the average elevation of the locations on which they are placed.
Light Brown (shaded) surfaces average under 4500 ft above sea level.
Dark Brown shaded surfaces average over 8000 ft above sea level.
PUBLISHED BY ORDER OF THE SECRETARY OF WAR
Note
Isobarometric lines
Isothermal
LOW
29.50
29.60
29.70
29.80
29.90
30.00
40°
50°
60°
70°
Quebec
Montreal
Portland
San Francisco
San Diego
Virginia City
Humboldt City
Denver
Santa Fe
Pembina
Breckenridge
Ft. Sully
Duluth
Marquette
Escanaba
St Paul
Green Bay
La Crosse
Milwaukee
Chicago
Davenport
Keokuk
Omaha
Yankton
Leavenworth
St Louis
Cairo
Louisville
Indianapolis
Nashville
Memphis
Little Rock
Ft Gibson
Vicksburg
Montgomery
Mobile
New Orleans
Galveston
Indianola
Brownsville
Waco
Knoxville
Atlanta
Augusta
Charleston
Savannah
Fernandina
Jacksonville
Wilmington
Norfolk
Washington
Philadelphia
Pittsburg
New London
New Haven
Boston
Punta Rassa
Key West
Havana
C U B A
Santiago de Cuba
ST DOMINGO

WASHINGTON, D. C.,
SATURDAY, *April* 19, 1873—4.35 *p. m.*

SYNOPSIS.

The area of lowest barometer, that extended Friday afternoon very generally over the Lake region, is now over New York and New England, being lowest in Maine. Areas of local light rain apparently exist in the Middle States and Southern New England; heavy snow is reported from Northern Maine. Partly cloudy and clear weather very generally prevail, with fresh west and northwest winds, from the Lake region southward to the Gulf and South Atlantic coasts, over which entire region the pressure has risen decidedly. The temperature has fallen from the Upper Lakes to Missouri; it has risen in the South Atlantic and Gulf States. Southerly winds have prevailed, with partly cloudy weather, on the Texas coast. The rivers have risen at Shreveport, and fallen at Omaha, Cincinnati, Louisville, and Cairo.

PROBABILITIES.

The barometer continue to rise on Sunday very generally throughout the States east of the Mississippi, but fall somewhat in the Northwest and the Upper Mississippi Valley. Westerly winds and clear or partly cloudy weather, with rising temperature, prevail in the Eastern Gulf and South Atlantic States. For Lake Michigan, the Lower Lakes, and the Middle States, northwesterly winds and partly cloudy weather. For New England, north and west winds, cloudy and clearing weather.

Cautionary signals continue at Eastport, Me.

FACTS—11 P. M., (*following the above "Probabilities."*)

WIND AND WEATHER.

(1.) *Clear.*—At Augusta, Montgomery, New Orleans, Cairo, Leavenworth, Keokuk, and Marquette, calm; Pittsburgh, wind NE., light; Nashville, wind W., light; Stanley, wind NW., light; Chicago, wind E., gentle; Savannah, wind SW., gentle; New London, Dover, and Davenport, wind NW., gentle; Cleveland, wind NE., gentle; Denver, wind S., gentle; Duluth, Baltimore, Washington, and Toledo, wind NW., fresh; Shreveport, Saint Louis, Cincinnati, Saugeen, and Louisville, wind N., fresh; Charleston and Lynchburg, wind SW., fresh; Santa Fé, wind E., fresh; Toronto, wind W., fresh.

(2.) *Fair.*—At Portland, Me., Indianapolis, and Omaha, calm; Cheyenne, wind NW., gentle; Milwaukee and Norfolk, wind SW., fresh; Yankton, wind SW., brisk; Philadelphia, wind NW., brisk.

(3.) *Cloudy.*—At Mobile, calm; Montreal, wind NE., light; Kingston and La Crosse, wind NW., gentle; Saint Paul, wind W., gentle; Buffalo, wind NW., fresh; New York, wind W., fresh; Pembina, wind SE., fresh; Oswego, wind W., brisk; Rochester, wind NW., brisk.

(4.) *Rainy.*—At Galveston, wind NE., fresh.

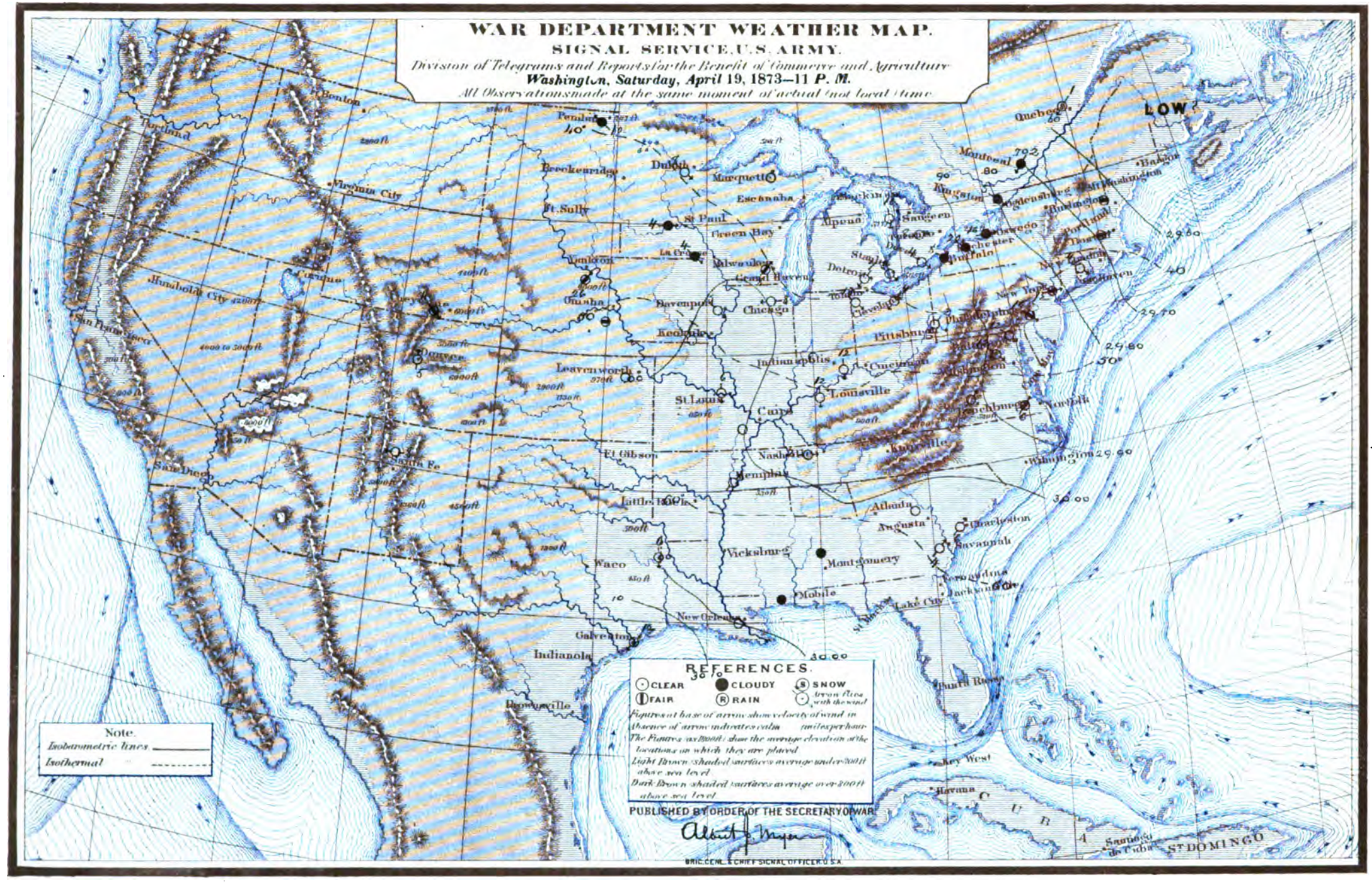
(5.) *Snowy.*—At Quebec, wind NE., light.

GENERAL REMARKS AS TO VERIFICATIONS.

The above "Probabilities" were generally verified, except "the barometer continue to rise on Sunday very generally throughout the States east of the Mississippi," and "for the Lower Lakes, northwesterly winds and partly cloudy weather," partly verified.

METEOROLOGICAL RECORD, APRIL 19, 1873—11 P. M.

Place of observation.	Barometer.	Thermometer.	Relative humidity, per cent.	Wind.		Clouds.			Rain-fall in last 8 hours.	State of the weather.
				Direction.	Velocity.	Amount of lower.	Amount of upper.	Direction of upper.		
*Alpena, Mich	29.95	31	58	N. W.	11	3-4	0	.....	.....	Cloudy.
Augusta, Ga	30.04	53	75	Calm.	0	0	0	.....	.....	Clear.
Baltimore, Md	29.86	49	47	N. W.	12	0	0	.....	.....	Clear.
Boston, Mass	29.61	42	83	W.	.....	1-4	0	.....	.12	Fair.
*Breckenridge, Minn	30.02	39	82	N. E.	6	3-4	Hazy	.....	.....	Cloudy.
Buffalo, N. Y	29.82	39	73	N. W.	8	4-4	.....	.....	.....	Cloudy.
*Burlington, Vt	29.66	40	82	N.	2	4-4	.....	.....	.10	Threatening.
Cairo, Ill	29.95	60	39	Calm.	0	0	0	.....	.....	Clear.
*Cape May, N. J	29.82	48	85	N. W.	4	0	1-4	N. W.	.....	Fair.
Charleston, S. C	30.02	58	70	S. W.	6	0	0	.....	.....	Clear.
Cheyenne, Wyo	30.09	46	40	N. W.	4	1-4	.....	.....	.....	Fair.
Chicago, Ill	29.99	41	53	E.	8	0	0	.....	.....	Clear.
Cincinnati, Ohio	29.98	50	45	N.	12	0	0	.....	.....	Clear.
Cleveland, Ohio	29.89	39	82	N. E.	4	0	0	.....	.....	Clear.
*Corinne, Utah	30.17	54	43	S. E.	4	0	0	.....	.....	Clear.
Davenport, Iowa	29.99	48	55	N. W.	5	Smoky	0	.....	.....	Clear.
Denver, Colo	30.14	52	35	S.	5	0	0	.....	.....	Clear.
Detroit, Mich	29.92	34	69	N. E.	7	0	0	.....	.....	Clear.
Duluth, Minn	29.95	39	66	N. W.	8	0	0	.....	.....	Clear.
*Eastport, Me	29.53	33	100	N. W.	8	4-4	.....	.....	.02	Light snow.
*Escanaba, Mich	.....	32	79	S.	4	3-4	0	.....	.....	Cloudy.
*Fort Benton, Mont	30.11	55	28	S.	4	0	0	.....	.....	Clear.
Fort Garry, Manitoba	30.00	26	75	N.	7	0	0	.....	.....	Fair.
*Fort Gibson, Ind. T	30.13	54	62	Calm.	0	0	0	.....	.....	Clear.
*Fort Sully, Dak	30.06	47	52	N.	30	0	0	.....	.....	Fair.
Galveston, Tex	30.15	60	94	N. E.	12	4-4	.....	.....	.80	Heavy rain.
*Grand Haven, Mich	29.94	32	79	Calm.	0	2-4	0	.....	.....	Fair.
*Indianapolis, Ind	29.90	44	52	Calm.	0	Hazy	0	.....	.....	Fair.
*Indianola, Tex	30.09	68	89	S.	10	4-4	.....	.....	.03	Light rain.
*Jacksonville, Fla	30.05	59	70	S. W.	4	0	0	.....	.....	Clear.
Keokuk, Iowa	30.00	49	64	Calm.	0	0	0	.....	.....	Clear.
*Key West, Fla	30.09	68	52	N.	9	0	0	.....	.....	Clear.
Kingston, Canada	29.77	41	.....	N. W.	5	4-4	.....	.....	.10	Cloudy.
*Knoxville, Tenn	29.97	52	52	W.	3	0	0	.....	.....	Clear.
La Crosse, Wis	30.00	47	79	N. W.	4	4-4	.....	.....	.....	Cloudy.
*Lake City, Fla	30.05	57	76	Calm.	0	0	0	.....	.....	Clear.
Leavenworth, Kans	29.99	50	52	Calm.	0	0	0	.....	.....	Clear.
Louisville, Ky	29.94	52	53	N.	12	0	0	.....	.....	Clear.
Lynchburg, Va	29.84	52	47	S. W.	12	0	0	.....	.....	Clear.
Marquette, Mich	29.96	29	75	Calm.	0	0	1-4	.....	.....	Clear.
Memphis, Tenn	30.01	59	48	S. W.	.....	0	0	.....	.....	Clear.
Milwaukee, Wis	29.91	36	70	S. W.	8	1-4	.....	.....	.....	Fair.
Mobile, Ala	30.08	63	83	Calm.	0	4-4	.....	.....	.....	Cloudy.
Montgomery, Ala	30.03	59	48	Calm.	0	.....	Smoky	.....	.....	Fair.
Montreal, Canada	29.65	40	82	N. E.	2	4-4	.....	.....	.....	Cloudy.
*Mount Washington, N. H	29.54	23	86	W.	24	4-4	.....	.....	.....	Cloudy.
Nashville, Tenn	29.95	58	50	W.	2	0	0	.....	.....	Clear.
New London, Conn	29.68	41	74	N. W.	4	0	0	.....	.05	Clear.
New Orleans, La	30.00	64	78	Calm.	0	0	0	.....	.....	Clear.
New York, N. Y	29.74	45	76	W.	12	1-4	0	.....	.....	Fair.
Norfolk, Va	29.88	53	60	S. W.	6	2-4	0	.....	.....	Fair.
Omaha, Nebr	29.94	55	68	Calm.	0	2-4	.....	.....	.....	Fair.
Oswego, N. Y	29.79	35	80	W.	16	4-4	0	.....	.....	Cloudy.
Pembina, Dak	30.01	40	75	S. E.	10	4-4	.....	.....	.....	Cloudy.
Philadelphia, Pa	29.81	46	65	N. W.	16	1-4	2-4	.....	.01	Fair.
Pittsburgh, Pa	29.91	39	81	N. E.	2	Hazy	0	.....	.....	Clear.
Port Dover, Canada	29.92	33	70	N. W.	4	0	0	.....	.....	Clear.
Port Stanley, Canada	29.94	31	75	N. W.	2	0	0	.....	.....	Clear.
Portland, Me	29.57	37	80	Calm.	0	2-4	0	.....	.01	Fair.
*Portland, Oreg	29.99	64	43	S. W.	11	0	4-4	.....	.....	Fair.
*Punta Rassa, Fla	30.11	64	57	N.	12	0	0	.....	.....	Clear.
Quebec, Canada	29.50	32	100	N. E.	1	4-4	.....	.....	.10	Light snow.
Rochester, N. Y	29.86	34	79	N. W.	20	4-4	.....	.....	.....	Cloudy.
*San Diego, Cal	30.07	59	87	N. W.	2	0	0	.....	.....	Clear.
*San Francisco, Cal	30.10	56	75	W.	4	4-4	.....	.....	.....	Cloudy.
Santa Fé, N. Mex	29.93	52	18	E.	8	0	0	.....	.....	Clear.
Saugeen, Canada	29.93	31	100	N.	10	1-4	0	.....	.....	Clear.
Savannah, Ga	30.04	58	.....	S. W.	4	0	0	.....	.....	Clear.
Shreveport, La	30.05	64	43	N.	6	0	0	.....	.....	Clear.
Saint Louis, Mo	29.99	53	48	N.	6	0	Hazy	.....	.....	Clear.
Saint Paul, Minn	29.89	46	53	W.	4	4-4	.....	.....	.....	Cloudy.
Toledo, Ohio	29.91	43	49	N. W.	13	0	0	.....	.....	Clear.
Toronto, Canada	29.88	34	76	W.	8	1-4	0	.....	.....	Clear.
*Vicksburg, Miss	30.09	61	94	Calm.	0	0	Hazy	.....	.....	Fair.
Virginia City, Mont	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Washington, D. C	29.87	48	56	N. W.	12	0	0	.....	.....	Clear.
Wilmington, N. C	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Yankton, Dak	29.87	49	86	S. W.	26	1-4	.....	.....	.....	Fair.


WAR DEPARTMENT WEATHER MAP.
SIGNAL SERVICE, U.S. ARMY.
Division of Telegrams and Reports for the Benefit of Commerce and Agriculture
Washington, Saturday, April 19, 1873—11 P. M.
All Observations made at the same moment of actual (not local) time.
LOW
Boston
Portland
Virginia City
Humboldt City
San Francisco
San Diego
Denver
Santa Fe
Ft. Sully
Brookenridge
Duluth
Marquette
Escanaba
St. Paul
Green Bay
La Crosse
Milwaukee
Grand Haven
Chicago
Davenport
Keokuk
Omaha
Leavenworth
St. Louis
Cairo
Ft. Gibson
Little Rock
Indianola
Galveston
New Orleans
Mobile
Vicksburg
Waco
Memphis
Nashville
Louisville
Indianapolis
Cincinnati
Pittsburg
Cleveland
Toledo
Detroit
Saugeen
Alpena
Buffalo
Rochester
Oswego
Ogdensburg
Kingston
Montreal
Quebec
Portland
Boston
New York
Philadelphia
Baltimore
Washington
Norfolk
Wilmington
Knoxville
Atlanta
Augusta
Charleston
Savannah
Jacksonville
Lake City
Key West
Havana
CUBA
ST. DOMINGO
Note.
Isobarometric lines
Isothermal
REFERENCES.
CLEAR
CLOUDY
SNOW
FAIR
RAIN
Arrow flies with the wind
Figures at base of arrow show velocity of wind in miles per hour
Absence of arrow indicates calm
The Figures (as 1000 ft) show the average elevation of the locations in which they are placed
Light Brown shaded surfaces average under 500 ft above sea level
Dark Brown shaded surfaces average over 500 ft above sea level
PUBLISHED BY ORDER OF THE SECRETARY OF WAR
BRIG. GENL. & CHIEF SIGNAL OFFICER U.S.A.

WASHINGTON, D. C.,
SATURDAY, *April* 19, 1873—11 *p. m.*

SYNOPSIS.

The area of lowest barometer, that was Friday night over the Lower Lakes, has moved eastward to Maine. The pressure has very generally risen over the Lake region and the Southern States. The temperature has fallen somewhat on the coast of Texas, but has risen in the Saint Lawrence Valley. Clear weather is very generally reported from the stations east of the Rocky Mountains, excepting only the Saint Lawrence Valley and Lake Ontario, where cloudy weather is reported. Northwesterly winds prevail in the Middle States, over the Lower Lakes, and Ohio Valley. Light winds and calms over the Southern States and Mississippi Valley. Northeast winds, with rain, on the coast of Texas.

PROBABILITIES.

The barometer continue to rise on Sunday over the Middle and Eastern States, but fall somewhat in the Southwest. For the Lake region, Middle, and Eastern States, partly cloudy and clear weather, with northwesterly winds. For the South Atlantic and Eastern Gulf States, clear weather, rising temperature, southwest and westerly winds. For the Southwest, falling barometer, rising temperature, easterly winds, and increasing cloudiness, possibly with rain.

Cautionary signals continue at Eastport, Me.

Current reports are very generally missing from the Northwest, the Upper Lakes, and the Pacific coast stations.

Special for Washington on Sunday.—Northwest winds, backing to southwest, with clear weather.

FACTS—7.35 A. M., (*following the above "Probabilities."*)

WIND AND WEATHER.

(1.) *Clear.*—At Indianapolis, Louisville, Montgomery, and Lake City, calm; Memphis, wind NW., light; New London and Saint Paul, wind NW., gentle; Norfolk and Punta Rassa, wind NE., gentle; Jacksonville and Wilmington, wind SW., gentle; Buffalo, wind W., gentle; Philadelphia, Cincinnati, and Washington, wind NW., fresh.

(2.) *Fair.*—At Duluth, Marquette, Nashville, Pittsburgh, Escanaba, and Saint Louis, calm; Knoxville, wind W., light; Detroit, wind NE., light; Portland, Me., wind SW., light; Charleston, wind SW., gentle; Pembina, wind NW., gentle; Boston and Rochester, wind NW., fresh; Dover, New York, and Baltimore, wind W., fresh; Lynchburg, wind NE., fresh; Savannah, wind SW., fresh.

(3.) *Cloudy.*—At Augusta, Galveston, Mobile, Chicago, Keokuk, and Toledo, calm; Burlington, wind S., light; Cleveland, wind NE., light; Stanley, wind NW., light; Kingston, wind NW., gentle; Milwaukee, wind SW., gentle; Eastport, wind SW., fresh; Montreal, wind W., fresh; Toronto, wind N., fresh.

(4.) *Rainy.*—At Davenport, wind NE., gentle.

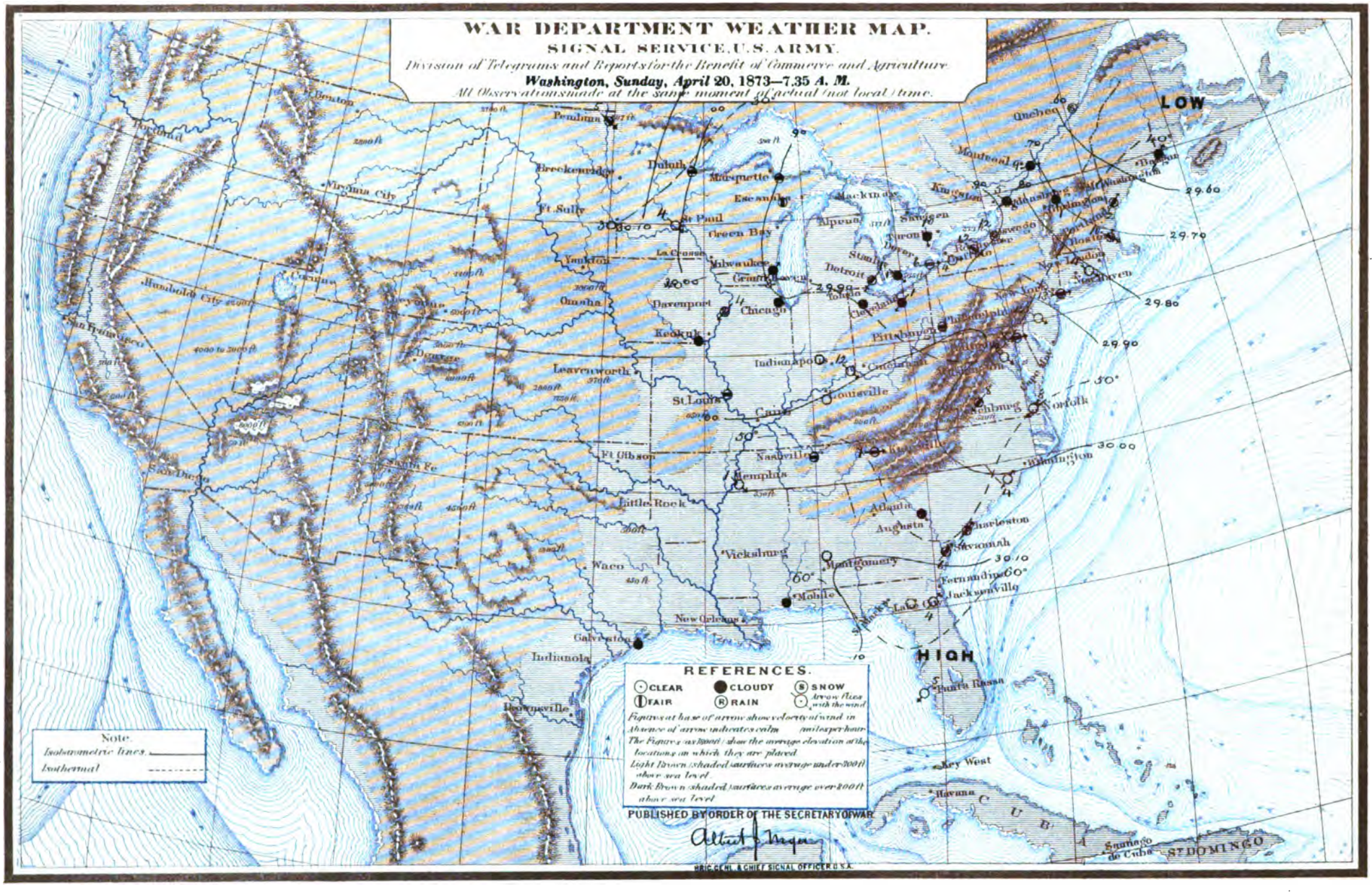
(5.) *Snowy.*—At Quebec, calm; Oswego, wind NW., fresh.

GENERAL REMARKS AS TO VERIFICATIONS.

The above "Probabilities" were generally verified, except "for the Lake region and Middle States, partly cloudy and clear weather, with northwesterly winds," and "northwest winds, backing to southwest, with clear weather, for Washington on Sunday," partly verified; "for the Southwest, easterly winds and increasing cloudiness, with possibly rain," not verified.

METEOROLOGICAL RECORD, APRIL 20, 1873—7.35 A. M.

Place of observation.	Barometer.	Thermometer.	Relative humidity, per cent.	Wind.		Clouds.			Rain-fall in last 8 hours.	State of the weather.
				Direction.	Velocity.	Amount of lower.	Amount of upper.	Direction of upper.		
*Alpena, Mich	29.77	28	77	N. W.	5	1-4	0	.....	.....	Fair.
Augusta, Ga	30.09	47	77	Calm.	0	4-4	.....	.....	.....	Cloudy.
Baltimore, Md	29.95	45	42	W.	8	1-4	Hazy..	.....	.....	Fair.
Boston, Mass	29.72	46	62	N. W.	10	1-4	0	.....	.....	Fair.
*Breckenridge, Minn	30.17	30	78	N.	15	1-4	0	.....	.....	Fair.
Buffalo, N. Y	29.87	43	59	W.	4	0	1-4	W.	.....	Clear.
Burlington, Vt	29.72	10	91	S.	1	4-4	.....	.....	.03	Threatening.
*Cairo, Ill	30.04	49	79	Calm.	0	Hazy..	Hazy..	.....	.....	Fair.
*Cape May, N. J	29.92	44	60	N. W.	16	0	0	.....	.....	Clear.
Charleston, S. C	30.08	58	64	S. W.	4	Hazy..	2-4	.....	.....	Fair.
*Cheyenne, Wyo	30.16	33	70	W.	1	0	0	.....	.....	Clear.
Chicago, Ill	29.95	43	67	Calm.	0	4-4	.....	.....	.....	Cloudy.
Cincinnati, Ohio	30.03	42	50	N. W.	12	Hazy..	Hazy..	.....	.....	Clear.
Cleveland, Ohio	29.97	36	62	N. E.	1	4-4	.....	.....	.....	Cloudy.
*Corinne, Utah	30.18	45	53	N.	2	1-4	2-4	.....	.....	Fair.
Davenport, Iowa	30.01	42	74	N. E.	4	4-4	.....	.....	.08	Light rain.
*Denver, Colo	30.24	38	63	S.	4	0	0	.....	.....	Clear.
Detroit, Mich	29.96	34	62	N. E.	1	Fog ...	Hazy..	.....	.....	Fair.
Duluth, Minn	29.99	34	70	Calm.	0	0	1-4	.....	.....	Fair.
Eastport, Me	29.58	35	90	S. W.	6	3-4	1-4	N. W.	.01	Cloudy.
Escanaba, Mich	.....	29	89	Calm.	0	1-4	2-4	N.	.....	Fair.
*Fort Benton, Mont	30.08	38	72	Calm.	0	0	4-4	W.	.....	Fair.
Fort Garry, Manitoba	30.12	19	65	N.	13	0	0	.....	.....	Clear.
*Fort Gibson, Ind. T	30.14	46	77	Calm.	0	Hazy..	1-4	N. W.	.....	Fair.
*Fort Sully, Dak	29.91	48	60	E.	14	1-4	0	.....	.....	Fair.
*Galveston, Tex	30.15	63	88	Calm.	0	2-4	2-4	W.	.17	Cloudy.
*Grand Haven, Mich	29.88	42	42	S.	8	4-4	.....	.....	.....	Cloudy.
Indianapolis, Ind	29.96	43	58	Calm.	0	0	0	.....	.....	Clear.
*Indianola, Tex	30.13	64	94	N.	12	4-4	.....	.....	.10	Cloudy.
Jacksonville, Fla	30.15	61	76	S. W.	4	0	1-4	.....	.....	Clear.
Keokuk, Iowa	29.94	46	62	Calm.	0	4-4	.....	.....	.....	Cloudy.
*Key West, Fla	30.12	69	60	N. E.	7	0	0	.....	.....	Clear.
Kingston, Canada	29.89	33	82	N. W.	5	4-4	.....	.....	.....	Cloudy.
Knoxville, Tenn	30.04	46	67	W.	1	Hazy..	1-4	.....	.....	Fair.
*La Crosse, Wis	30.00	42	42	N.	8	4-4	.....	.....	.....	Cloudy.
Lake City, Fla	30.14	59	89	Calm.	0	0	0	.....	.....	Clear.
*Leavenworth, Kans	29.97	52	41	N. W.	4	1-4	1-4	N. E.	.....	Clear.
Louisville, Ky	30.02	47	48	Calm.	0	Smoky	Hazy..	.....	.....	Clear.
Lynchburg, Va	29.95	48	63	N. E.	8	0	1-4	N. W.	.....	Fair.
Marquette, Mich	29.88	24	52	Calm.	0	0	1-4	.....	.....	Fair.
Memphis, Tenn	30.08	52	86	N. W.	1	0	0	.....	.....	Clear.
Milwaukee, Wis	29.87	37	81	S. W.	3	4-4	.....	.....	.....	Cloudy.
Mobile, Ala	30.06	61	88	Calm.	0	4-4	.....	.....	.....	Cloudy.
Montgomery, Ala	30.10	53	86	Calm.	0	Smoky	1-4	.....	.....	Fair.
Montreal, Canada	29.67	40	82	W.	9	0	4-4	W.	.05	Cloudy.
*Mount Washington, N. H	29.58	21	85	W.	37	4-4	.....	.....	.06	Cloudy.
Nashville, Tenn	30.03	51	59	Calm.	0	Smoky	Hazy..	.....	.....	Fair.
New London, Conn	29.80	44	67	N. W.	4	0	0	.....	.....	Clear.
*New Orleans, La	30.11	61	82	W.	2	0	0	.....	.....	Clear.
New York, N. Y	29.85	44	68	W.	13	1-4	Hazy..	.....	.....	Fair.
Norfolk, Va	29.98	54	54	N. E.	3	0	Hazy..	.....	.....	Clear.
*Omaha, Nebr	30.03	44	76	N. W.	20	0	0	.....	.....	Clear.
Oswego, N. Y	29.87	34	74	N. W.	12	4-4	.....	.....	.....	Light snow
Pembina, Dak	30.20	23	86	N. W.	5	0	1-4	.....	.....	Fair.
Philadelphia, Pa	29.91	42	54	N. W.	12	Smoky	0	.....	.....	Clear.
Pittsburgh, Pa	30.01	33	89	Calm.	0	Fog ...	.....	.....	.....	Foggy.
Port Dover, Canada	29.97	31	68	W.	6	0	4-4	S. W.	.....	Fair.
Port Stanley, Canada	30.00	30	85	N. W.	1	0	4-4	N. W.	.....	Cloudy.
Portland, Me	29.62	46	62	S. W.	2	0	1-4	S. W.	.....	Fair.
*Portland, Oreg	30.01	51	79	W.	1	Hazy..	Hazy..	.....	.....	Fair.
Punta Rassa, Fla	30.16	64	62	N. E.	5	Smoky	0	.....	.....	Clear.
Quebec, Canada	29.56	35	90	Calm.	0	4-4	.....	.....	.10	Heavy snow.
Rochester, N. Y	29.89	33	70	N. W.	12	0	2-4	.....	.....	Fair.
*San Diego, Cal	30.08	54	100	N.	4	4-4	.....	.....	.....	Cloudy.
*San Francisco, Cal	30.07	54	86	Calm.	0	4-4	.....	.....	.....	Cloudy.
*Santa Fé, N. Mex	29.98	53	36	Calm.	0	0	0	.....	.....	Clear.
*Saugeen, Canada	29.95	30	67	E.	5	2-4	2-4	N. E.	.....	Cloudy.
Savannah, Ga	30.10	52	53	S. W.	6	Smoky	1-4	.....	.....	Fair.
*Shreveport, La	30.11	53	80	Calm.	0	0	0	.....	.....	Foggy.
Saint Louis, Mo	29.99	46	68	Calm.	0	1-4	1-4	W.	.....	Fair.
Saint Paul, Minn	29.98	38	63	N. W.	4	0	0	.....	.....	Clear.
Toledo, Ohio	29.96	38	81	Calm.	0	Smoky	4-4	W.	.....	Cloudy.
Toronto, Canada	29.95	31	63	N.	10	1-4	4-4	N. W.	.....	Cloudy.
*Vicksburg, Miss	30.14	55	96	S.	1	Fog ...	0	.....	.....	Foggy.
Virginia City, Mont	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Washington, D. C	29.96	44	45	N. W.	14	0	0	.....	.....	Clear.
Wilmington, N. C	30.03	58	58	S. W.	4	0	0	.....	.....	Clear.
*Yankton, Dak	30.16	34	92	W.	22	1-4	0	.....	.....	Fair.


WAR DEPARTMENT WEATHER MAP.
SIGNAL SERVICE, U.S. ARMY.
Division of Telegrams and Reports for the Benefit of Commerce and Agriculture.
Washington, Sunday, April 20, 1873—7.35 A. M.
All Observations made at the same moment of actual (not local) time.
LOW
HIGH
REFERENCES.
CLEAR
CLOUDY
SNOW
FAIR
RAIN
Arrow flies with the wind
Figures at base of arrow show velocity of wind in miles per hour
Absence of arrow indicates calm
The Figures (as 2000ft) show the average elevation of the locations on which they are placed.
Light Brown shaded surfaces average under 500ft above sea level.
Dark Brown shaded surfaces average over 2000ft above sea level.
Note.
Isobarometric lines
Isothermal
PUBLISHED BY ORDER OF THE SECRETARY OF WAR.
BRIG. GENL. & CHIEF SIGNAL OFFICER U.S.A.
Portland
Boston
Quebec
Montreal
Pembina
Duluth
Marquette
Escanaba
Mackinaw
Kingston
Ottawa
Washington
Baltimore
Philadelphia
Boston
New London
New Haven
New York
Brooklyn
Virginia City
Breckenridge
Ft. Sully
St. Paul
Green Bay
Alpena
Saugeen
Toronto
Stanley
Detroit
Toledo
Cleveland
Pittsburgh
Yankton
La Crosse
Milwaukee
Grand Haven
Chicago
Omaha
Davenport
Keokuk
Cincinnati
Indianapolis
Louisville
Leavenworth
St. Louis
Cairo
Richmond
Norfolk
Nashville
Chattanooga
Memphis
Ft. Gibson
Little Rock
Atlanta
Augusta
Charleston
Savannah
Vicksburg
Montgomery
Mobile
Fernandina
Jacksonville
New Orleans
Galveston
Indianola
Brownsville
Waco
Cheyenne
Denver
Santa Fe
Hanbold City
San Francisco
San Diego
Cincinnati
Key West
Havana
Punta Rassa
Santiago de Cuba
St. DOMINGO
CUBA
29.60
29.70
29.80
29.90
30.00
30.10
30.20
4000 to 2000 ft

WASHINGTON, D. C.,
SUNDAY, *April* 20, 1873—7.35 *a. m.*

SYNOPSIS.

The area of lowest barometer continues in Northern New England, and the pressure has very generally risen since Saturday morning over the entire country east of the Rocky Mountains, except possibly in the extreme Southwest, where the barometer has begun to fall. The temperature has risen in the Southern States, and has fallen over the Lake region and the extreme Northwest. Light and fresh winds, mostly from the southwest, prevail on the South Atlantic coast, but calms and light variable winds in the Gulf States and Ohio Valley. Northerly winds are reported from New England and the Middle States and Lower Lakes. Clear and partly cloudy weather prevails over the Southern States. Cloudy weather is generally reported from the Lake region.

PROBABILITIES.

The barometer continue to rise during the rest of Sunday over the Middle and Eastern States, with northwesterly winds, partly cloudy and clear or clearing weather. For the Lake region, light and fresh winds, partly cloudy and clear weather, except for the southern portion of Lake Michigan, where cloudy weather, with light local rain, is probable, attending a small area of low pressure. For the South Atlantic and Eastern Gulf coasts, increasing southerly winds and cloudy weather, but for the interior of those States, generally clear or hazy weather. For the Western Gulf coast, threatening weather and possibly rain. Morning reports are missing from the Western Gulf States and all stations west of the Mississippi River.

FACTS—4.35 P. M., (*following the above "Probabilities."*)

WIND AND WEATHER.

(1.) *Clear.*—At Duluth, Omaha, and Pembina, wind NW., fresh; Nashville, wind W., fresh; Augusta and Memphis, wind SW., fresh; Charleston and Wilmington, wind SW., brisk; Saint Paul and Fort Gibson, wind NW., brisk.

(2.) *Fair.*—At Escanaba, wind N., light; Corinne, wind S., light; Virginia City, wind W., light; Portland, Oreg., wind NW., light; Montgomery and Buffalo, wind SW., gentle; San Francisco, wind SE., gentle; Washington, wind NE., gentle; Baltimore and Chicago, wind NW., gentle; Boston, Cheyenne, and Punta Rassa, wind NW., fresh; Dover, Mobile, and Savannah, wind S., fresh; Jacksonville, Philadelphia, and New York, wind W., fresh; Norfolk, wind E., fresh; New London, wind SW., fresh; Key West, wind E., fresh; Shreveport, wind W., fresh; Knoxville and Oswego, wind W., brisk; Rochester, Saint Louis, Davenport, and La Crosse, wind NW., brisk; Cape May, wind S., brisk; Kingston, wind SW., brisk.

(3.) *Cloudy.*—At Portland, Me., calm; Stanley, wind SW., light; Burlington, wind N., gentle; Indianapolis, wind NW., gentle; Louisville and Saugeen, wind W., gentle; Denver, wind NW., fresh; Montreal, New Orleans, and Cincinnati, wind W., fresh; Milwaukee, wind E., fresh; Cleveland, wind NE., fresh; Lake City and Toronto, wind SW., fresh; Keokuk, wind NW., brisk; Lynchburg, wind SW., brisk.

(4.) *Rainy.*—At Pittsburgh, wind N., light; Detroit and Toledo, wind SW., fresh.

GENERAL REMARKS AS TO VERIFICATIONS.

The above "Probabilities" were generally verified, except "the barometer continue to rise over the Middle States, with northwesterly winds, partly cloudy and clear or clearing weather," "for the Lake region, partly cloudy and clear weather," and "for the South Atlantic and Eastern Gulf coasts, cloudy weather," partly verified; "for the Western Gulf coast, threatening weather and possibly rain," not verified.

METEOROLOGICAL RECORD, APRIL 20, 1873—4.35 P. M.

Place of observation.	Barometer.	Thermometer.	Relative humidity, per cent.	Wind.		Clouds.			Rain-fall in last 6 hours.	State of the weather.
				Direction.	Velocity.	Amount of lower.	Amount of upper.	Direction of upper.		
*Alpena, Mich	29.90	35	80	E.	10	0	Hazy			Fair.
Augusta, Ga	29.90	76	97	S. W.	12	0	0			Clear.
Baltimore, Md	29.84	59	33	N. W.	4	1-4	2-4	W.		Fair.
Boston, Mass	29.72	57	30	N. W.	8	0	2-4	W.		Fair.
*Breckenridge, Minn	30.11	36	65	N. W.	15	0	1-4	N. W.		Fair.
Buffalo, N. Y	29.83	41	65	S. W.	4	0	2-4	S. W.		Fair.
Burlington, Vt	29.82	39	55	N.	5	4-4			.01	Threatening
*Cairo, Ill	29.80	75	23	S. W.	16	2-4	2-4			Cloudy.
Cape May, N. J	29.88	50	78	S.	16	0	Hazy	W.		Fair.
Charleston, S. C	29.93	70	36	S. W.	16	Hazy	Hazy			Clear.
Cheyenne, Wyo	30.04	69	5	N. W.	8	1-4	2-4	W.		Fair.
Chicago, Ill	29.86	51	52	N. W.	4	0	2-4	N. W.		Fair.
Cincinnati, Ohio	29.89	53	36	W.	6	4-4				Threatening.
Cleveland, Ohio	29.85	42	66	N. E.	8	4-4				Cloudy.
Corinne, Utah	30.08	77	14	S.	2	Smoky	2-4			Fair.
Davenport, Iowa	29.94	54	31	N. W.	22	0	2-4	N. W.		Fair.
Denver, Colo	30.09	71	4	N. W.	7	2-4	2-4	N.		Cloudy.
Detroit, Mich	29.84	40	82	S.	6	4-4			.01	Light rain.
Duluth, Minn	29.95	42	23	N. W.	12	0	1-4	N.		Clear.
*Eastport, Me	29.67	42	66	W.	4	0	4-4			Cloudy.
Escanaba, Mich		37	62	N.	20	1-4	2-4	W.		Fair.
*Fort Benton, Mont	29.92	80	7	S. W.	2	0	2-4	W.		Fair.
Fort Garry, Manitoba	29.94	37	36	N. W.	22	0	0			Clear.
Fort Gibson, Ind. T	30.09	76	42	N. W.	24	0	0			Clear.
*Fort Sully, Dak	29.97	64	16	S. W.	6	1-4	0			Fair.
*Galveston, Tex	30.11	72	71	S.	4	0	2-4	W.		Fair.
*Grand Haven, Mich	29.81	46	54	W.	12	4-4				Cloudy.
Indianapolis, Ind	29.87	49	57	N. W.	3	4-4				Cloudy.
*Indianola, Texas	30.12	78	59	S.	13	0	1-4	S. W.		Fair.
Jacksonville, Fla	30.00	78	23	S. W.	12	0	1-4	S. W.		Fair.
Keokuk, Iowa	29.96	56	46	N. W.	16	1-4	2-4	N. W.		Cloudy.
Key West, Fla	30.05	75	56	N. E.	6	0	2-4			Fair.
Kingston, Canada	29.89	34	67	S. W.	16	0	2-4	S. W.		Fair.
Knoxville, Tenn	29.79	72	14	W.	24	Hazy	2-4	W.		Fair.
La Crosse, Wis	29.95	47	15	N. W.	23	Smoky	1-4	N. W.		Fair.
Lake City, Fla	30.00	75	42	S. W.	12	4-4	0			Cloudy.
*Leavenworth, Kans	30.01	62	27	N.	19	0	0			Clear.
Louisville, Ky	29.82	58	53	W.	5	4-4				Cloudy.
Lynchburg, Va	29.70	68	24	S. W.	16	2-4	2-4	S. W.		Cloudy.
Marquette, Mich	29.95	30	67	W.	12	2-4				Light snow.
Memphis, Tenn	29.91	77	21	S. W.	8	Hazy	0			Clear.
Milwaukee, Wis	29.81	39	82	E.	12	2-4	2-4			Threatening.
Mobile, Ala	30.06	76	60	S.	8	0	2-4	N. W.		Fair.
Montgomery, Ala	29.95	73	21	S. W.	4	Smoky	1-4	W.		Fair.
Montreal, Canada	29.75	42	57	W.	10	0	4-4	W.		Cloudy.
*Mount Washington, N. H	29.71	23	86	W.	18	4-4				Cloudy.
Nashville, Tenn	29.82	74	25	W.	8	0	1-4	W.		Clear.
New London, Conn	29.76	52	55	S. W.	12	0	1-4			Fair.
New Orleans, La	30.05	73	42	W.	8	4-4				Cloudy.
New York, N. Y	29.82	53	38	W.	9	1-4	1-4	W.		Fair.
Norfolk, Va	29.85	57	54	E.	12	0	3-4	S. W.		Fair.
Omaha, Nebr	30.02	58	78	N. W.	12	Smoky	0			Clear.
Oswego, N. Y	29.89	39	56	W.	16	0	3-4	W.		Fair.
Pembina, Dak	30.01	37	80	N. W.	6	0	0			Clear.
Philadelphia, Pa	29.85	54	26	W.	9	0	2-4	W.		Fair.
Pittsburgh, Pa	29.88	44	68	N.	2	4-4	0		.03	Light rain.
Port Dover, Canada	29.90	38	72	S.	13	0	2-4	S.		Fair.
Port Stanley, Canada	29.92	36	79	S. W.	1	4-4				Cloudy.
Portland, Me	29.69	50	51	Calm.	0	0	4-4	W.		Cloudy.
Portland, Oreg	29.79	67	46	N. W.	2	Smoky	Hazy			Fair.
Punta Rassa, Fla	30.08	71	45	N. W.	7	0	3-4	W.		Fair.
Quebec, Canada	29.68	35	80	N. E.	9	4-4			.40	Cloudy.
Rochester, N. Y	29.89	39	38	N. W.	14	1-4	2-4	N. W.		Fair.
*San Diego, Cal	30.10	63	78	N. W.	17	2-4	2-4			Cloudy.
San Francisco, Cal	30.06	63	57	S. E.	4	3-4			.01	Clearing.
*Santa Fé, N. Mex	29.95	68	0	S. W.	4	0	4-4	N.		Fair.
Saugeen, Canada	29.92	36	80	W.	5	1-4	3-4	W.		Cloudy.
Savannah, Ga	29.94	73	36	S.	12	Hazy	1-4	W.		Fair.
Shreveport, La	30.02	81	20	W.	6	Hazy	1-4	S. W.		Fair.
Saint Louis, Mo	29.81	68	32	N. W.	26	Smoky	2-4	N. W.		Fair.
Saint Paul, Minn	29.83	44	16	N. W.	20	0	0			Clear.
Toledo, Ohio	29.86	44	83	S. W.	8	4-4			.06	Light rain.
Toronto, Canada	29.91	39	61	S. W.	10	1-4	3-4	W.		Cloudy.
*Vicksburg, Miss	30.03	77	34	N. W.	1	0	1-4	W.		Fair.
Virginia City, Mont	29.80	69	75	W.	1	0	1-4	W.		Fair.
Washington, D. C	29.82	60	35	N. E.	4	1-4	2-4	S. W.		Fair.
Wilmington, N. C	29.89	70	39	S. W.	25	Hazy	0			Clear.
*Yankton, Dak	30.11	51	77	W.	4	0	0			Clear.

WAR DEPARTMENT WEATHER MAP.
SIGNAL SERVICE, U.S. ARMY.
Division of Telegrams and Reports for the Benefit of Commerce and Agriculture.
Washington, Sunday, April 20, 1873—4.35 P. M.
All Observations made at the same moment of actual (not local) time.
REFERENCES.
CLEAR
CLOUDY
SNOW
FAIR
RAIN
PUBLISHED BY ORDER OF THE SECRETARY OF WAR
Note.
Isobarometric lines
Isothermal
Quebec
Montreal
Kingston
Duluth
Breckenridge
Ft. Sully
St. Paul
Green Bay
Yankton
Omaha
Davenport
Chicago
Leavenworth
Indianapolis
Louisville
Cairo
Nashville
Memphis
Little Rock
Vicksburg
Montgomery
Atlanta
Augusta
Charleston
Savannah
Mobile
New Orleans
Galveston
Indianola
Waco
Pittsburg
Cincinnati
Detroit
Oswego
New London
Corinne
Humboldt City
San Diego
Portland
Key West
Havana
C U B A
St DOMINGO
LOW

WASHINGTON, D. C.,
SUNDAY, *April* 20, 1873—4.35 *p. m.*

SYNOPSIS.

The barometer has risen since Saturday afternoon in New England, with north and west winds and partly cloudy weather; it has risen in the Middle States, with northwest winds and partly cloudy weather, but has fallen during Sunday afternoon, with threatening and rainy weather, in Ohio and Virginia, and to a less extent in Southern Michigan, over all of which region local storms apparently prevail. The temperature has fallen, with rising barometer and fresh to brisk northwest winds, from Lake Superior and Iowa westward. The temperature has risen, with fresh to brisk southwest winds, in the Southern States, probably backing to northwest in Texas. The rivers have fallen at Cincinnati and Saint Louis.

PROBABILITIES.

The local storms in Virginia, Ohio, and Michigan extend northeastward, with diminishing force on Monday, and possibly entirely disappear. For New England and the northern portion of the Middle States, cool northerly winds and cloudy or partly cloudy weather. For the Lower Lakes, northeast winds, backing to northwest. For the Upper Lakes, increasing northwesterly winds and clear weather. For the Gulf States, winds back to west and northwest, with clear weather. For the South Atlantic States and Virginia, south and west winds, with rising temperature. For the Middle Atlantic States, easterly winds and local rains during Sunday night, followed on Monday by northwest and southwest winds, partly cloudy and clear weather.

Cautionary signals are ordered for Norfolk, Cape May, Chicago, Milwaukee, and Grand Haven.

FACTS—11 P. M., (*following the above "Probabilities."*)

WIND AND WEATHER.

(1.) *Clear.*—At Chicago, Cheyenne, Indianapolis, Omaha, and Toronto, calm; Denver, wind S., gentle; Keokuk and Marquette, wind NW., gentle; Kingston, wind N., gentle; Saugeen, wind E., gentle; Boston, Davenport, Memphis, Nashville, Cincinnati, and Saint Louis, wind NW., fresh; Charleston, wind SW., fresh; Savannah, wind S., fresh.

(2.) *Fair.*—At Pittsburgh, wind E., light; Oswego, wind W., gentle; Rochester, wind NW., gentle; Augusta, wind SW., gentle; Montgomery, wind S., gentle; Milwaukee, wind NE., gentle; Corinne, wind E., gentle; New London, wind N., fresh; Louisville, wind NW., fresh; Toledo, wind W., fresh; New Orleans, wind SW., fresh.

(3.) *Cloudy.*—At Norfolk and Philadelphia, calm; Burlington, wind N., light; Montreal and Lynchburg, wind W., gentle; Baltimore, wind N., gentle; Buffalo, wind SW., gentle; New York and Portland, Me., wind NE., fresh.

(4.) *Rainy.*—At Cleveland, wind NE., fresh; Washington, wind N., fresh; San Francisco, wind SE., brisk.

(5.) *Snowy.*—At Stanley, wind N., light; Detroit and Quebec, wind NE., gentle; Dover, wind S., gentle.

GENERAL REMARKS AS TO VERIFICATIONS.

The above "Probabilities" were generally verified, except "for the Upper Lakes, increasing northwesterly winds and clear weather," and "for the Gulf States, winds back to west and northwest," partly verified; "cautionary signals for Chicago, Milwaukee, and Grand Haven," not verified.

METEOROLOGICAL RECORD, APRIL 20, 1873—11 P. M.

Place of observation.	Barometer.	Thermometer.	Relative humidity, per cent.	Wind.		Clouds.			Rain-fall in last 8 hours.	State of the weather.
				Direction.	Velocity.	Amount of lower.	Amount of upper.	Direction of upper.		
*Alpena, Mich	29.90	30	78	Calm.	0	3-4	0			Cloudy.
Augusta, Ga	29.96	63	42	S. W.	4	Hazy	0			Fair.
Baltimore, Md	29.89	51	58	N.	4	4-4				Threatening.
Boston, Mass	29.84	40	64	N. W.	7	1-4	0			Clear.
*Breckenridge, Minn	29.98	34	80	S. E.	9	1-4	0			Fair.
Buffalo, N. Y	29.84	36	65	S. W.	4	4-4				Cloudy.
Burlington, Vt	29.88	37	54	N.	1	4-4				Threatening.
*Cairo, Ill	29.99	55	56	N.	12	0	0			Clear.
*Cape May, N. J	29.87	47	92	S.	4				.05	Light rain.
Charleston, S. C	29.95	64	73	S. W.	12	Hazy	Hazy			Clear.
Cheyenne, Wyo	30.08	48	29	Calm.	0	1-4	0			Clear.
Chicago, Ill	29.93	41	65	Calm.	0	0	0			Clear.
Cincinnati, Ohio	29.91	47	70	N. W.	8	1-4			.04	Clear.
Cleveland, Ohio	29.82	36	91	N. E.	8	4-4			.17	Light rain.
Corinne, Utah	29.96	66	13	E.	4	2-4	Hazy			Fair.
Davenport, Iowa	30.00	43	50	N. W.	6	0	0			Clear.
Denver, Colo	30.06	51	46	S.	5	0	0			Clear.
Detroit, Mich	29.83	33	100	N. E.	5	4-4			.20	Light snow
*Duluth, Minn	29.95	33	50	W.	4	0	0			Clear.
*Eastport, Me	29.77	37	81	W.	2	0	4-4			Cloudy.
*Escanaba, Mich		27	76	N.	4	0	0			Clear.
*Fort Benton, Mont	29.85	59	23	N. W.	1	0	2-4	N. W.		Fair.
*Fort Garry, Manitoba	29.89	26	68	N.	11	0	0			Clear.
*Fort Gibson, Ind. T	30.15	61	40	Calm.	0	0	0			Clear.
*Fort Sully, Dak	29.91	48	60	E.	14	1-4	0			Fair.
*Galveston, Tex	30.16	65	90	S.	1	0	0			Clear.
*Grand Haven, Mich	29.86	34	69	N. E.	8	0	0			Clear.
Indianapolis, Ind	29.91	43	75	Calm.	0	Smoky	0			Clear.
*Indianola, Tex	30.18	66	86	S.	8	0	0			Clear.
*Jacksonville, Fla	30.06	66	58	S. W.	12	Hazy	Hazy			Fair.
Keokuk, Iowa	30.03	47	55	N. W.	5	0	0			Clear.
*Key West, Fla	30.08	63	67	E.	6	Fog				Fair.
Kingston, Canada	29.94	33	70	N. W.	5	0	0			Clear.
*Knoxville, Tenn	29.82	60	40	S. E.	4	4-4				Cloudy.
*La Crosse, Wis	30.00	39	27	N. W.	8	0	0			Clear.
*Lake City, Fla	30.05	63	83	W.	4	0	Hazy			Fair.
*Leavenworth, Kans	30.04	52	52	Calm.	0	0	0			Clear.
Louisville, Ky	29.92	50	65	N. W.	12	0	2-4	W.		Fair.
Lynchburg, Va	29.80	57	32	W.	4	4-4				Cloudy.
Marquette, Mich	29.96	25	62	N. W.	4	0	0			Clear.
Memphis, Tenn	29.94	68	28	N. W.	9	0	0			Clear.
Milwaukee, Wis	29.88	35	80	N. E.	4	1-4				Fair.
*Mobile, Ala	30.08	65	83	Calm.	0	1-4	0			Fair.
Montgomery, Ala	30.02	63	61	S.	6	0	1-4			Fair.
Montreal, Canada	29.84	37	71	W.	8	4-4				Cloudy.
*Mount Washington, N. H	29.77	20	85	W.	8	4-4	0			Fair.
Nashville, Tenn	29.87	66	36	N. W.	6	0	1-4	N. W.		Clear.
New London, Conn	29.86	41	55	N.	10	Hazy	Hazy			Fair.
New Orleans, La	30.06	66	78	S. W.	6	2-4				Fair.
New York, N. Y	29.88	47	41	N. E.	11	Hazy				Cloudy.
Norfolk, Va	29.79	54	79	Calm.	0	0	4-4			Cloudy.
Omaha, Nebr	30.05	45	61	Calm.	0	0	0			Clear.
Oswego, N. Y	29.89	36	62	W.	4	1-4	Hazy			Fair.
*Pembina, Dak	29.89	31	68	N. E.	2	0	0			Clear.
Philadelphia, Pa	29.87	51	45	Calm.	0	4-4				Cloudy.
Pittsburgh, Pa	29.81	38	81	E.	3	Fog	0		.15	Foggy.
Port Dover, Canada	29.90	33	89	S.	3	4-4				Light snow.
Port Stanley, Canada	29.91	33	89	N.	1	4-4			.04	Light snow.
Portland, Me	29.78	40	73	N. E.	6	1-4	2-4			Cloudy.
*Portland, Oreg	29.66	62	72	S. E.	2	4-4				Cloudy.
*Punta Rassa, Fla	30.12	66	64	N.	2	1-4	0			Fair.
Quebec, Canada	29.72	32	100	N. E.	4	4-4				Light snow.
Rochester, N. Y	29.88	36	55	N. W.	3	1-4	Hazy			Fair.
*San Diego, Cal	30.12	59	87	N. W.	8	4-4				Cloudy.
San Francisco, Cal	30.04	58	88	S. E.	16	4-4			.13	Heavy rain.
*Santa Fé, N. Mex	29.94	53	14	Calm.	0	1-4	0			Fair.
Saugeen, Canada	29.90	28	65	E.	4	1-4	0			Clear.
Savannah, Ga	30.01	62	70	S.	8	0	0			Clear.
*Shreveport, La	30.05	67	46	S.	5	0	0			Clear.
Saint Louis, Mo	30.03	50	51	N. W.	8	0	0			Clear.
*Saint Paul, Minn	29.93	34	43	W.	8	0	0			Clear.
Toledo, Ohio	29.82	38	81	W.	8	1-4	0		.13	Clearing.
Toronto, Canada	29.91	33	69	Calm.	0	0	0			Clear.
*Vicksburg, Miss	30.09	67	49	S.	6	0	0			Clear.
Virginia City, Mont										
Washington, D. C	29.88	47	81	N.	8	4-4			.01	Light rain.
Wilmington, N. C										
*Yankton, Dak	30.00	45	89	S.	6	0	0			Clear.

WAR DEPARTMENT WEATHER MAP.

SIGNAL SERVICE, U.S. ARMY.

Division of Telegrams and Reports for the Benefit of Commerce and Agriculture.

Washington, Sunday, April 20, 1873—11 P. M.

All Observations made at the same moment of actual (not local) time.

WASHINGTON, D. C.,
SUNDAY, *April* 20, 1873—11 *p. m.*

SYNOPSIS.

The barometer has risen since Saturday night, but is now again falling on the Middle Atlantic coast and Lake Erie; elsewhere in the Middle and Eastern States it has very generally risen. In the Southern States the pressure has fallen somewhat, but is now again rising. Cloudy and threatening weather, with very light rains, are now reported from Northern New England, Pennsylvania, the Middle Atlantic States, and Lake Erie. Clear or clearing weather prevail in Ohio and westward. Cold northwest winds and clearing weather have been reported in the Northwest and Upper Mississippi Valley.

PROBABILITIES.

The barometer continue lowest on Monday over the Middle States and New England, and highest in the Southern States. For New England, cloudy weather and possibly light rain. For the northern portion of the Middle States and for the Lower Lakes, north and west winds, falling temperature, and cloudy weather, clearing away in the course of the day. For Virginia and the South Atlantic States, southwesterly winds, rising temperature, and clear weather.

Midnight reports are missing from the Upper Lakes, the Mississippi Valley, and stations west of that river.

FACTS—7.35 A. M., (*following the above "Probabilities."*)

WIND AND WEATHER.

(1.) *Clear.*—At Stanley and Indianapolis, calm; Nashville, wind SW., light; Galveston, wind W., light; Memphis, wind NE., gentle; Saint Louis, wind SW., gentle; Mobile, wind NE., gentle; Montreal and Toronto, wind N., gentle; Cincinnati, wind W., fresh; Kingston, wind NE., fresh; Key West, wind E., fresh; Knoxville, wind N., fresh; Charleston and Savannah, wind SW., fresh.

(2.) *Fair.*—At Oswego and Keokuk, calm; Burlington, wind N., light; Milwaukee, wind E., light; Montgomery, wind S., light; Boston, wind N., gentle; Buffalo, wind NE., gentle; Augusta, wind SW., gentle; Baltimore, Marquette, New Orleans, and Washington, wind NW., gentle; La Crosse and Omaha, wind S., gentle; Corinne, wind S., fresh; Dover, wind NW., fresh; Grand Haven, Louisville, Lynchburg, and Norfolk, wind W., fresh; Philadelphia, wind SE., fresh; Wilmington, wind W., brisk.

(3.) *Cloudy.*—At Chicago, Eastport, and Saugeen, calm; Escanaba and New London, wind N., gentle; Rochester, wind NE., gentle; Toledo, Lake City, and Davenport, wind W., gentle; Punta Rassa, wind NE., fresh; Cleveland and Portland, Me., wind N., fresh; Cheyenne, wind W., fresh; Jacksonville, wind SW., fresh; Detroit and Pittsburgh, wind NW., fresh; New York, wind SE., fresh.

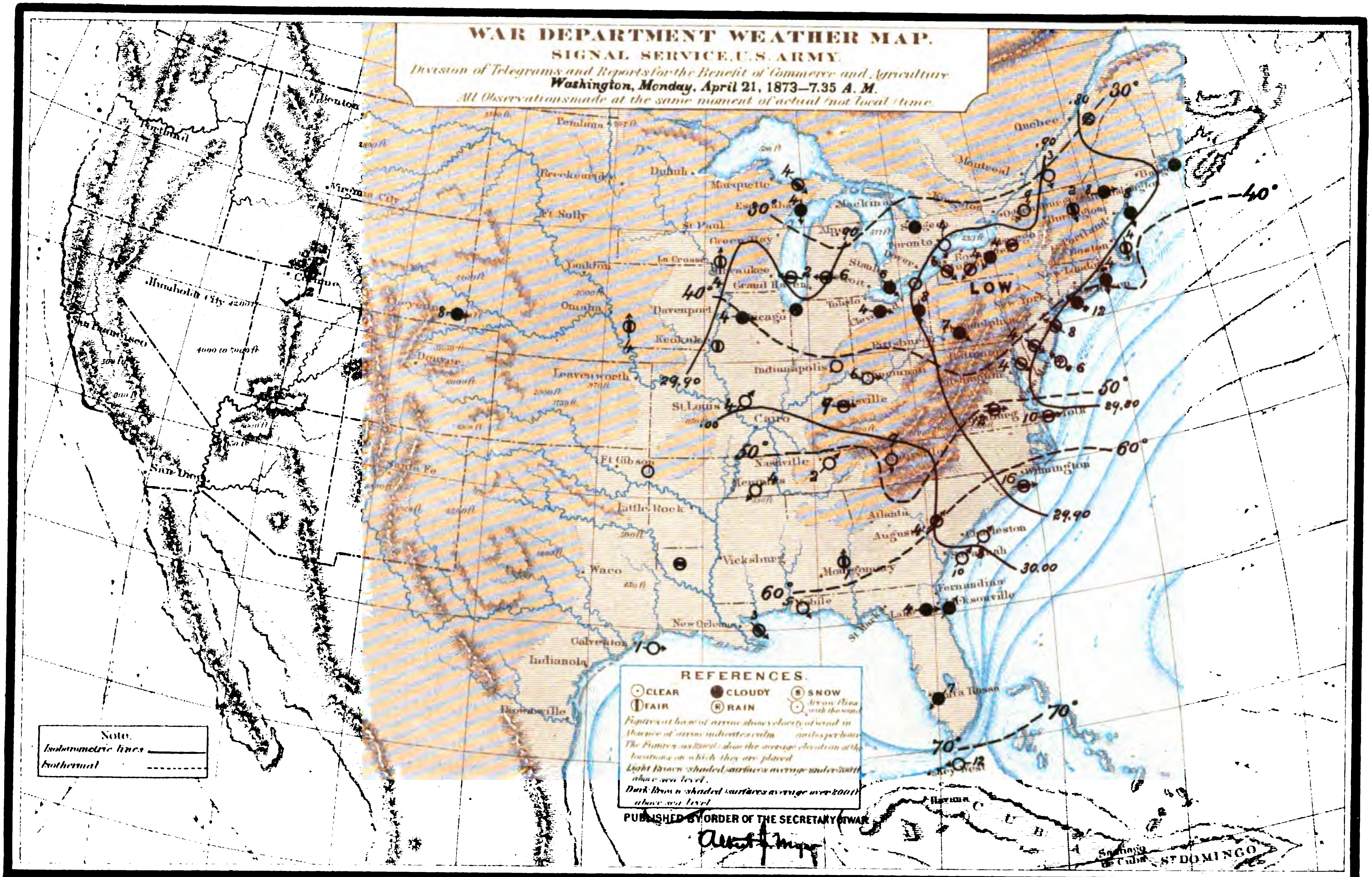
(4.) *Snowy.*—At Quebec, calm.

GENERAL REMARKS AS TO VERIFICATIONS.

The above "Probabilities" were generally verified, except "for the Lower Lakes, clearing away in the course of the day," partly verified; "for Virginia, rising temperature," not verified.

METEOROLOGICAL RECORD, APRIL 21, 1873—7.35 A. M.

Place of observation.	Barometer.	Thermometer.	Relative humidity per cent.	Wind.		Clouds.			Rain-fall in last 8 hours.	State of the weather.
				Direction.	Velocity.	Amount of lower.	Amount of upper.	Direction of upper.		
*Alpena, Mich	29.92	25	87	W.	7	4-4	.....	.....	.16	Light rain.
Augusta, Ga	29.96	64	62	S. W.	4	0	2-4	.....	.....	Fair.
Baltimore, Md	29.79	46	77	N. W.	4	Fog...	1-4	N. W.	.10	Fair.
Boston, Mass	29.76	43	59	N.	4	Smoky	2-4	S. W.	.....	Fair.
*Breckenridge, Minn	29.93	33	85	N.	9	1-4	0	.....	.....	Fair.
Buffalo, N. Y	29.78	36	65	N. E.	4	2-4	0	.....	.....	Fair.
Burlington, Vt	29.84	34	61	N.	2	0	2-4	W.	.....	Fair.
*Cairo, Ill	30.02	50	74	S.	4	2-4	Hazy..	.....	.....	Fair.
Cape May, N. J	29.77	43	83	S. E.	6	4-4	.....	.....	.33	Light rain.
Charleston, S. C	29.98	63	72	S. W.	8	Hazy..	Hazy..	.....	.....	Clear.
Cheyenne, Wyo	29.89	49	18	W.	8	4-4	.....	.....	.....	Cloudy.
Chicago, Ill	29.95	35	80	Calm.	0	Smoky	4-4	.....	.....	Cloudy.
Cincinnati, Ohio	29.96	44	68	W.	6	Smoky	0	.....	.....	Clear.
Cleveland, Ohio	29.85	37	76	N.	8	4-4	.....	.....	.02	Threatening.
Corinne, Utah	29.87	60	34	S.	12	2-4	0	.....	.....	Fair.
Davenport, Iowa	29.97	39	62	W.	4	4-4	.....	.....	.....	Cloudy.
*Denver, Colo	29.96	47	41	S.	4	4-4	.....	.....	.....	Cloudy.
Detroit, Mich	29.86	33	84	N. W.	6	4-4	.....	.....	.11	Cloudy.
*Duluth, Minn	29.89	31	67	S. W.	4	4-4	.....	.....	.....	Cloudy.
Eastport, Me	29.79	38	91	Calm.	0	0	4-4	.....	.....	Cloudy.
Escanaba, Mich	.....	26	81	N.	4	1-4	2-4	W.	.....	Cloudy.
*Fort Benton, Mont	29.76	49	51	S. W.	2	2-4	2-4	W.	.....	Cloudy.
*Fort Garry, Manitoba	29.94	21	78	N.	17	3-4	3-4	N.	.....	Cloudy.
*Fort Gibson, Ind. T	30.06	50	61	Calm.	0	0	0	.....	.....	Clear.
*Fort Sully, Dak	29.88	36	80	N.	4	0	2-4	N. W.	.....	Fair.
Galveston, Tex	30.04	63	88	W.	1	0	0	.....	.....	Clear.
Grand Haven, Mich	29.92	32	79	E.	6	1-4	1-4	W.	.....	Fair.
Indianapolis, Ind	29.95	42	73	Calm.	0	Smoky	0	.....	.....	Clear.
*Indianola, Tex	30.14	66	89	S. W.	8	0	0	.....	.....	Clear.
Jacksonville, Fla	30.07	64	88	S. W.	6	0	4-4	S. W.	.....	Cloudy.
Keokuk, Iowa	29.98	42	66	Calm.	0	0	2-4	N. W.	.....	Fair.
Key West, Fla	30.06	74	67	E.	12	1-4	1-4	W.	.....	Fair.
Kingston, Canada	29.91	31	65	N. E.	9	0	0	.....	.....	Clear.
Knoxville, Tenn	30.07	48	42	N.	9	0	0	.....	.....	Cloudy.
La Crosse, Wis	29.95	32	31	S.	4	Smoky	2-4	.....	.....	Fair.
Lake City, Fla	30.05	63	88	W.	4	4-4	.....	.....	.....	Cloudy.
*Leavenworth, Kans	29.90	43	67	S.	2	1-4	0	.....	.....	Clear.
Louisville, Ky	29.97	46	62	W.	9	Smoky	1-4	.....	.....	Fair.
Lynchburg, Va	29.83	51	46	W.	12	0	2-4	W.	.03	Fair.
Marquette, Mich	29.96	24	61	N. W.	4	0	2-4	N. W.	.....	Fair.
Memphis, Tenn	30.09	55	50	N. E.	4	Smoky	Hazy..	.....	.....	Clear.
Milwaukee, Wis	29.88	35	70	E.	2	1-4	1-4	W.	.....	Fair.
Mobile, Ala	30.09	62	66	N. W.	5	0	0	.....	.....	Clear.
Montgomery, Ala	30.03	60	76	S.	1	Smoky	0	.....	.....	Fair.
Montreal, Canada	29.82	31	78	N.	3	0	0	.....	.....	Clear.
Mount Washington, N. H	29.72	18	84	W.	8	4-4	.....	.....	.....	Clear.
Nashville, Tenn	30.08	53	48	S. W.	2	Smoky	0	.....	.....	Clear.
New London, Conn	29.79	38	49	N.	4	4-4	.....	.....	.....	Cloudy.
New Orleans, La	30.08	63	78	N. W.	3	2-4	Hazy..	.....	.....	Fair.
New York, N. Y	29.79	41	57	N. E.	12	4-4	.....	.....	.....	Cloudy.
Norfolk, Va	29.82	54	80	W.	10	0	1-4	W.	.06	Fair.
Omaha, Nebr	29.84	47	70	S.	4	Hazy..	1-4	.....	.....	Fair.
Oswego, N. Y	29.83	35	80	Calm.	0	Hazy..	2-4	.....	.....	Fair.
*Pembina, Dak	30.01	22	72	N.	16	1-4	2-4	N. E.	.....	Fair.
Philadelphia, Pa	29.78	42	78	S. E.	8	2-4	1-4	.....	.....	Fair.
Pittsburgh, Pa	29.85	39	82	N. W.	7	0	4-4	N. W.	.04	Cloudy.
Port Dover, Canada	29.89	29	59	N. W.	6	0	2-4	N. W.	.05	Fair.
Port Stanley, Canada	29.90	30	92	Calm.	0	0	0	.....	.22	Clear.
Portland, Me	29.75	38	72	N.	8	2-4	2-4	S. W.	.....	Threatening.
*Portland, Oreg	29.97	49	78	S. E.	10	4-4	.....	.....	.07	Cloudy.
Punta Rassa, Fla	30.11	63	78	N. E.	7	4-4	.....	.....	.....	Cloudy.
Quebec, Canada	29.70	31	89	Calm.	0	1-4	.....	.....	.05	Light snow.
Rochester, N. Y	29.82	34	75	N. E.	4	1-4	.....	.....	.....	Cloudy.
*San Diego, Cal	30.10	54	93	N.	6	2-4	0	.....	.....	Fair.
*San Francisco, Cal	30.15	72	79	N. W.	4	1-4	.....	.....	.22	Fair.
*Santa Fé, N. Mex	29.87	50	20	Calm.	0	4-4	.....	.....	.....	Cloudy.
Saugeen, Canada	29.90	31	58	Calm.	0	2-4	0	.....	.....	Threatening.
Savannah, Ga	30.01	64	78	S. W.	10	Hazy..	0	.....	.....	Clear.
*Shreveport, La	30.10	60	71	Calm.	0	0	.....	.....	.....	Foggy.
Saint Louis, Mo	30.00	46	61	S. W.	4	Smoky	1-4	.....	.....	Clear.
*Saint Paul, Minn	29.88	38	63	S. E.	4	0	0	.....	.....	Clear.
Toledo, Ohio	29.91	36	80	W.	4	4-4	.....	.....	.01	Cloudy.
Toronto, Canada	29.86	34	64	N.	4	0	0	.....	.....	Clear.
*Vicksburg, Miss	30.09	59	76	Calm.	0	Smoky	0	.....	.....	Fair.
Virginia City, Mont	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Washington, D. C	29.79	47	77	N. W.	4	0	2-4	W.	.04	Clearing.
Wilmington, N. C	29.86	65	44	W.	16	Hazy..	2-4	W.	.....	Fair.
*Yankton, D. T	29.75	39	89	E.	10	0	1-4	.....	.....	Fair.


WAR DEPARTMENT WEATHER MAP.
SIGNAL SERVICE, U.S. ARMY.
Division of Telegrams and Reports for the Benefit of Commerce and Agriculture
Washington, Monday, April 21, 1873—7.35 A. M.
All Observations made at the same moment of actual (not local) time.
LOW
29.90
29.80
30.00
30°
40°
50°
60°
70°
REFERENCES.
CLEAR
FAIR
CLOUDY
RAIN
SNOW
Note.
Isobarometric lines
Isothermal
PUBLISHED BY ORDER OF THE SECRETARY OF WAR.
C U B A
ST DOMINGO

WASHINGTON, D. C.,
MONDAY, *April* 21, 1873—7.35 *a. m.*

SYNOPSIS.

The local disturbances, that were Sunday morning in North Carolina and Northern Illinois, are now apparently in Delaware and Western New York, respectively, accompanied with light rains. The barometer has fallen very generally during the night over the northern portion of the Middle States and in New England, where light and fresh winds are generally reported, with cloudy weather on the coasts. Northwest winds prevail from Lake Erie and the Ohio Valley to the Middle Atlantic States. Westerly and southwest winds, with hazy weather, in the South Atlantic States. The barometer has fallen rapidly, with increasing southerly winds and hazy or cloudy weather, in Nebraska, and probably in the Northwest.

PROBABILITIES.

During the rest of Monday the barometer fall very generally throughout the Missouri Valley and the Northwest, and to a less extent over the Upper Lakes and the Southwest. Local storms move northeastward over New Jersey and New York State. For New England, generally falling barometer, and cold, cloudy weather, with possibly light snow or rain. For the Ohio Valley, the Eastern Gulf, and South Atlantic States, generally clear weather, followed by increasing westerly winds and cloudiness. For the southern portion of the Middle States by Monday afternoon, westerly winds and clearing weather. For the Mississippi Valley and the Upper Lakes, southerly winds, rising temperature, and increasing cloudiness.

Cautionary signals are ordered for Cape May, New York, New Haven, and New London.

Morning reports are missing from Minnesota, Dakota, the Southwest, and Rocky Mountain stations.

FACTS—4.35 P. M., (*following the above "Probabilities."*)

WIND AND WEATHER.

(1.) *Clear.*—At Quebec, calm; Augusta, wind W., gentle; Louisville, wind NW., gentle; Nashville, wind E., gentle; Memphis, wind SW., gentle; Burlington and Rochester, wind N., fresh; San Diego, wind NW., fresh; New Orleans, wind SW., fresh; Knoxville, wind S., fresh; Wilmington, wind W., fresh; Lynchburg and San Francisco, wind W., brisk; Keokuk, Indianola, and Saint Louis, wind S., brisk.

(2.) *Fair.*—At Vicksburg and Denver, calm; Montgomery, wind SW., gentle; Saugeen, wind N., gentle; Buffalo, Dover, Baltimore, New York, and Montreal, wind W., fresh; Alpena, Philadelphia, and Oswego, wind NW., fresh; Cairo, Leavenworth, Savannah, Kingston, and Shreveport, wind SW., fresh; Galveston and Mobile, wind S., fresh; Davenport, wind SE., fresh; Cape May and Washington, wind NW., brisk; Duluth, Marquette, and Breckenridge, wind NE., brisk; Escanaba, wind SE., brisk; Charleston, wind SW., brisk.

(3.) *Cloudy.*—At Saint Paul, calm; Eastport, wind NE., light; Detroit, wind NW., light; Stanley, wind SW., light; Cleveland, wind N., gentle; Grand Haven, wind NW., gentle; Indianapolis, wind SW., gentle; Boston and Portland, Me., wind NE., fresh; Chicago, Punta Rassa, Omaha, and Pittsburgh, wind N., fresh; La Crosse and Milwaukee, wind SE., fresh; Cheyenne and New London, wind W., fresh; Toronto, wind S., fresh; Norfolk and Pembina, wind NW., fresh; Cincinnati and Lake City, wind SW., fresh; Jacksonville, wind S., brisk; Key West, wind E., brisk; Corinne, wind N., brisk; Santa Fé, wind SW., brisk; Yankton, wind NE., brisk.

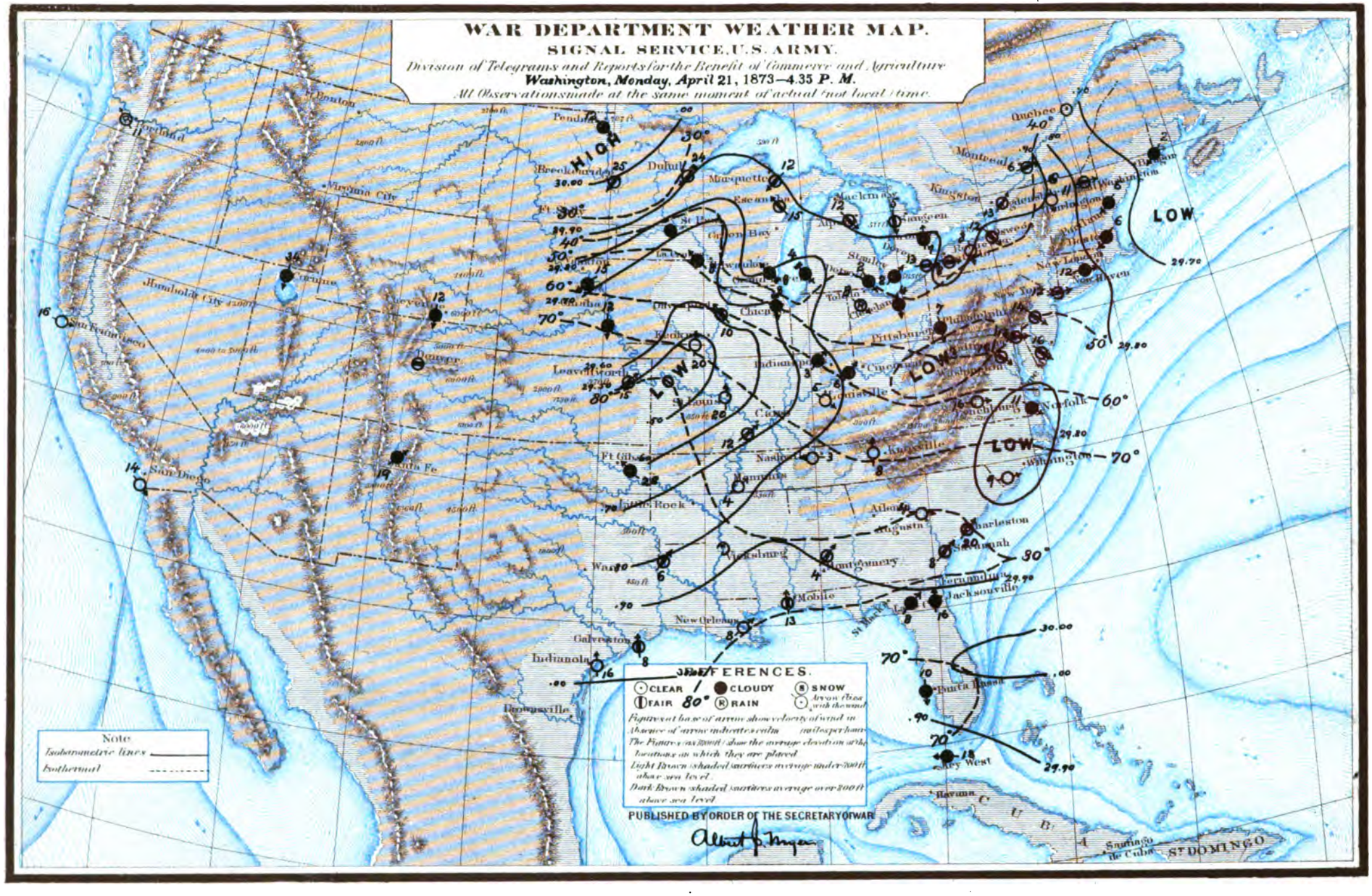
(4.) *Rainy.*—At Toledo, wind NW., fresh; Portland, Oreg., wind SE., fresh.

GENERAL REMARKS AS TO VERIFICATIONS.

The above "Probabilities" were generally verified, except "cautionary signals at Cape May, New York, New Haven, and New London," not verified.

METEOROLOGICAL RECORD, APRIL 21, 1873—4.35 P. M.

Place of observation.	Barometer.	Thermometer.	Relative humidity, per cent.	Wind.		Clouds.			Rain-fall in last 8 hours.	State of the weather.
				Direction.	Velocity.	Amount of lower.	Amount of upper.	Direction of upper.		
Alpena, Mich	29.92	37	62	N. W.	12	0	2-4	N. W.	.....	Fair.
Augusta, Ga	29.83	80	21	W.	4	0	0	.....	.....	Clear.
Baltimore, Md	29.85	55	29	W.	12	Smoky	1-4	W.	.....	Fair.
Boston, Mass	29.69	46	62	N. E.	6	1-4	3-4	.....	.....	Cloudy.
Breckenridge, Minn	29.95	29	72	N. E.	25	0	2-4	N.	.....	Fair.
Buffalo, N. Y	29.82	41	74	W.	8	0	2-4	W.	.....	Fair.
Burlington, Vt	29.76	42	66	N.	6	0	1-4	W.	.....	Clear.
Cairo, Ill	29.79	71	22	S. W.	12	Hazy..	1-4	.....	.....	Fair.
Cape May, N. J	29.82	52	53	N. W.	16	0	2-4	W.	.....	Fair.
Charleston, S. C	29.84	74	59	S. W.	20	Hazy..	2-4	.....	.....	Fair.
Cheyenne, Wyo	29.70	71	0	W.	12	2-4	2-4	W.	.....	Cloudy.
Chicago, Ill	29.82	41	49	N.	8	4-4	.....	.....	.....	Cloudy.
Cincinnati, Ohio	29.91	58	32	S. W.	6	4-4	.....	.....	.....	Threatening.
Cleveland, Ohio	29.87	42	51	N.	4	4-4	.....	.....	.....	Cloudy.
Corinne, Utah	29.93	55	38	N.	34	2-4	2-4	W.	.....	Cloudy.
Davenport, Iowa	29.70	58	32	S. E.	10	Hazy..	1-4	W.	.....	Fair.
Denver, Colo	29.72	79	6	Calm.	0	0	2-4	W.	.....	Fair.
Detroit, Mich	29.84	39	55	N. W.	2	4-4	.....	.....	.....	Threatening.
Duluth, Minn	29.85	36	55	N. E.	24	0	2-4	W.	.....	Fair.
Eastport, Me	29.65	40	73	N. E.	2	4-4	.....	.....	.....	Cloudy.
Escanaba, Mich	.....	37	71	S. E.	15	1-4	1-4	N. E.	.....	Fair.
*Fort Benton, Mont	29.78	53	42	E.	13	2-4	2-4	E.	.....	Light rain.
Fort Garry, Manitoba	30.03	25	50	N.	18	2-4	1-4	N.	.....	Fair.
Fort Gibson, Ind. T	29.71	85	22	S. E.	28	Hazy..	4-4	N. W.	.....	Cloudy.
*Fort Sully, Dak	29.80	53	14	N. N. E.	22	4-4	.....	.....	.....	Cloudy.
Galveston, Tex	29.97	85	69	S.	8	Hazy..	2-4	.....	.....	Fair.
Grand Haven, Mich	29.81	41	49	N. W.	4	4-4	.....	.....	.....	Cloudy.
Indianapolis, Ind	29.81	54	35	S. W.	3	4-4	0	.....	.....	Cloudy.
Indianola, Tex	30.00	82	39	S.	16	0	0	.....	.....	Clear.
Jacksonville, Fla	29.95	76	52	S.	16	2-4	Hazy..	S. W.	.....	Cloudy.
Keokuk, Iowa	29.59	66	41	S.	20	Smoky	0	.....	.....	Clear.
Key West, Fla	29.88	76	72	E.	18	4-4	.....	.....	.01	Cloudy.
Kingston, Canada	29.91	39	73	S. W.	13	1-4	2-4	W.	.....	Fair.
Knoxville, Tenn	29.85	70	15	S.	8	0	0	.....	.....	Clear.
La Crosse, Wis	29.84	38	54	S. E.	8	4-4	.....	.....	.....	Cloudy.
Lake City, Fla	29.95	75	50	S. W.	8	4-4	.....	.....	.....	Cloudy.
Leavenworth, Kans	29.45	81	17	S. W.	15	0	3-4	N. W.	.....	Fair.
Louisville, Ky	29.83	61	31	N. W.	5	Smoky	Hazy..	.....	.....	Clear.
Lynchburg, Va	29.79	63	24	W.	16	0	0	.....	.....	Clear.
Marquette, Mich	29.98	35	71	N. E.	12	0	1-4	.....	.....	Fair.
Memphis, Tenn	29.85	74	28	S. W.	4	0	0	.....	.....	Clear.
Milwaukee, Wis	29.79	35	80	S. E.	8	4-4	.....	.....	.....	Cloudy.
Mobile, Ala	29.94	80	55	S.	13	0	1-4	S. W.	.....	Fair.
Montgomery, Ala	29.88	82	17	S. W.	4	Smoky	0	.....	.....	Fair.
Montreal, Canada	29.75	47	55	W.	6	0	1-4	W.	.....	Fair.
Mount Washington, N. H	29.67	22	79	W.	11	0	2-4	W.	.....	Fair.
Nashville, Tenn	29.84	70	21	E.	3	0	0	.....	.....	Clear.
New London, Conn	29.74	43	62	W.	12	4-4	.....	.....	.....	Cloudy.
New Orleans, La	29.93	77	46	S. W.	8	0	Hazy..	.....	.....	Clear.
New York, N. Y	29.81	44	68	W.	12	1-4	2-4	W.	.02	Fair.
Norfolk, Va	29.86	63	36	N. W.	11	0	4-4	.....	.....	Cloudy.
Omaha, Nebr	29.64	70	32	N.	12	2-4	2-4	N.	.....	Cloudy.
Oswego, N. Y	29.85	39	56	N. W.	12	Hazy..	3-4	.....	.....	Fair.
Pembina, Dak	30.09	23	86	N. W.	12	4-4	.....	.....	.....	Cloudy.
Philadelphia, Pa	29.81	50	44	N. W.	14	1-4	2-4	W.	.....	Fair.
Pittsburgh, Pa	29.90	42	74	N.	7	Smoky	4-4	N. W.	.....	Cloudy.
Port Dover, Canada	29.89	38	72	W.	13	0	2-4	W.	.....	Fair.
Port Stanley, Canada	29.90	38	81	S. W.	2	1-4	2-4	S. W.	.02	Cloudy.
Portland, Me	29.66	40	77	N. E.	6	2-4	2-4	.....	.....	Threatening.
Portland, Oreg	30.10	56	91	S. E.	11	4-4	.....	.....	.03	Light rain.
Punta Rassa, Fla	29.99	68	65	N.	10	4-4	.....	.....	.....	Clear.
Quebec, Canada	29.68	42	58	Calm.	0	0	0	.....	.....	Clear.
Rochester, N. Y	29.85	40	35	N.	8	0	0	.....	.....	Threatening.
San Diego, Cal	30.08	69	56	N. W.	14	0	0	.....	.....	Clear.
San Francisco, Cal	30.26	58	57	W.	16	0	1-4	W.	.....	Clear.
Santa Fé, N. Mex	29.75	65	2	S. W.	12	1-4	3-4	W.	.....	Cloudy.
Saugeen, Canada	29.90	33	70	N.	5	1-4	2-4	N.	.....	Fair.
Savannah, Ga	29.86	82	22	S. W.	8	Smoky	1-4	W.	.....	Fair.
Shreveport, La	29.84	87	20	S. W.	6	Smoky	0	.....	.....	Fair.
Saint Louis, Mo	29.64	70	28	S.	20	Hazy..	Hazy..	.....	.....	Clear.
Saint Paul, Minn	29.65	49	37	Calm.	0	0	4-4	W.	.....	Cloudy.
Toledo, Ohio	29.82	47	48	N. W.	8	4-4	.....	.....	.....	Light rain.
Toronto, Canada	29.86	41	48	S.	7	1-4	3-4	W.	.....	Cloudy.
Vicksburg, Miss	29.92	82	31	Calm.	0	Smoky	0	.....	.....	Fair.
Virginia City, Mont	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Washington, D. C	29.86	55	22	N. W.	16	1-4	1-4	W.	.....	Fair.
Wilmington, N. C	29.80	79	20	W.	9	Hazy..	Hazy..	.....	.....	Clear.
ankton, Dak	29.67	57	69	N. E.	15	0	4-4	W.	.....	Cloudy.


WAR DEPARTMENT WEATHER MAP.
SIGNAL SERVICE, U.S. ARMY.
Division of Telegrams and Reports for the Benefit of Commerce and Agriculture
Washington, Monday, April 21, 1873—4.35 P. M.
All Observations made at the same moment of actual (not local) time.
HIGH
LOW
LOW
LOW
Note
Isobarometric lines
Isothermal
REFERENCES.
CLEAR
CLOUDY
SNOW
FAIR
RAIN
PUBLISHED BY ORDER OF THE SECRETARY OF WAR
Albert J. Myer
Quebec
Montreal
Kingston
Pittsburgh
Cincinnati
Louisville
Knoxville
Nashville
Memphis
Little Rock
Atlanta
Augusta
Charleston
Savannah
Montgomery
Mobile
New Orleans
Galveston
Indianola
Brownsville
Jacksonville
Key West
Punta Rassa
Norfolk
Washington
Baltimore
Philadelphia
New York
New Haven
Boston
Portland
Pembina
Duluth
Marquette
Milwaukee
Chicago
Cairo
St Louis
Leavenworth
Omaha
Denver
Cheyenne
Virginia City
Humboldt City
San Francisco
San Diego
Santa Fe
Fort Gibson
Fort Clark
Fort Ringgold
Fort Brown
Fort Stanton
Fort Bliss
Fort Lyon
Fort Sill
Fort Riley
Fort Leavenworth
Fort Omaha
Fort Sidney
Fort Fetterman
Fort Laramie
Fort Bridger
Fort Ellis
Fort Benton
Fort Stevens
Fort Yuma
Fort Mohave
Fort Wallace
Fort Hays
Fort Dodge
Fort Leavenworth
Fort Sill
Fort Riley
Fort Omaha
Fort Sidney
Fort Fetterman
Fort Laramie
Fort Bridger
Fort Ellis
Fort Benton
Fort Stevens
Fort Yuma
Fort Mohave
Fort Wallace
Fort Hays
Fort Dodge
Havana
CUBA
Santiago de Cuba
ST DOMINGO

WASHINGTON, D. C.,
MONDAY, *April* 21, 1873—4.35 *p. m.*

SYNOPSIS.

The barometer has risen somewhat since Sunday afternoon in the extreme Northwest, after having apparently fallen during Sunday night, and has fallen during the day in the Gulf States, and especially at Key West, after having risen somewhat. The lowest pressures are over Massachusetts Bay and Missouri, and the local storm, which has passed over the Middle Atlantic States, is probably now beyond our stations. The temperature has risen in the Southern States, and remarkably so in the Lower Missouri Valley; it has fallen decidedly in the Northwest, and to a less extent in the Middle and Eastern States. Rain has prevailed in Northern California and Oregon, but the barometer is now rising, with clearing weather, in the former State. The pressure has fallen decidedly in Colorado, and high northerly winds are reported from Utah. Southerly winds and partly cloudy weather prevail in the Gulf States and northward to Virginia and Kansas. Northerly winds, with cloudy weather, in the Northwest, and with occasional light rain or snow in the Lower Lake region. The rivers have risen at Shreveport and Saint Paul, and fallen at Cincinnati, Marietta, and Saint Louis.

PROBABILITIES.

A disturbance of some magnitude is apparently about to develop in the eastern and central portions of the Gulf of Mexico. For Tuesday in the Southern States, continued warm southwesterly winds, with hazy and partly cloudy weather, and possibly rain on the coast of Texas. A storm of some magnitude extend slowly eastward from the Lower Missouri Valley toward Illinois and the Upper Lakes. For the Lower Lakes, winds veer to northeast, with cloudy weather. For the Middle Atlantic States, winds back to southwest, with rising temperature. For New England and New York, cold northwest winds, partly cloudy and clearing weather.

Cautionary signals are ordered for Duluth, Chicago, Milwaukee, and Grand Haven.

FACTS—11 P. M., (*following the above "Probabilities."*)

WIND AND WEATHER.

(1.) *Clear.*—At Augusta, Louisville, Mobile, Kingston, Nashville, and Oswego, calm; Denver, wind W., light; Buffalo and Montreal, wind W., gentle; Indianapolis, wind SE., gentle; New London, wind NW., fresh; New York and Saint Louis, wind SE., fresh; Cairo, Galveston, and Memphis, wind S., fresh; Charleston and New Orleans, wind SW., fresh; Saint Paul, wind N., fresh; Omaha, wind N., brisk; San Francisco, wind W., brisk.

(2.) *Fair.*—At La Crosse, Montgomery, and Saugeen, calm; Burlington, wind W., light; Leavenworth, wind NE., light; Norfolk and Pembina, wind NW., gentle; Cincinnati, wind NE., gentle; Savannah, wind SW., gentle; Cheyenne and Boston, wind NW., fresh; Philadelphia and Corinne, wind N., fresh; Shreveport, wind S., fresh; Pittsburgh, wind SE., fresh; Rochester, wind SW., fresh; Yankton, wind NE., high.

(3.) *Cloudy.*—At Dover and Quebec, calm; Stanley, wind NW., light; Portland, Me., wind W., gentle; Baltimore and Washington, wind NE., gentle; Lynchburg, wind SW., gentle; Milwaukee, wind SE., gentle; Portland, Oreg., wind SE., fresh; San Diego and Toronto, wind NW., fresh; Duluth, wind NE., brisk.

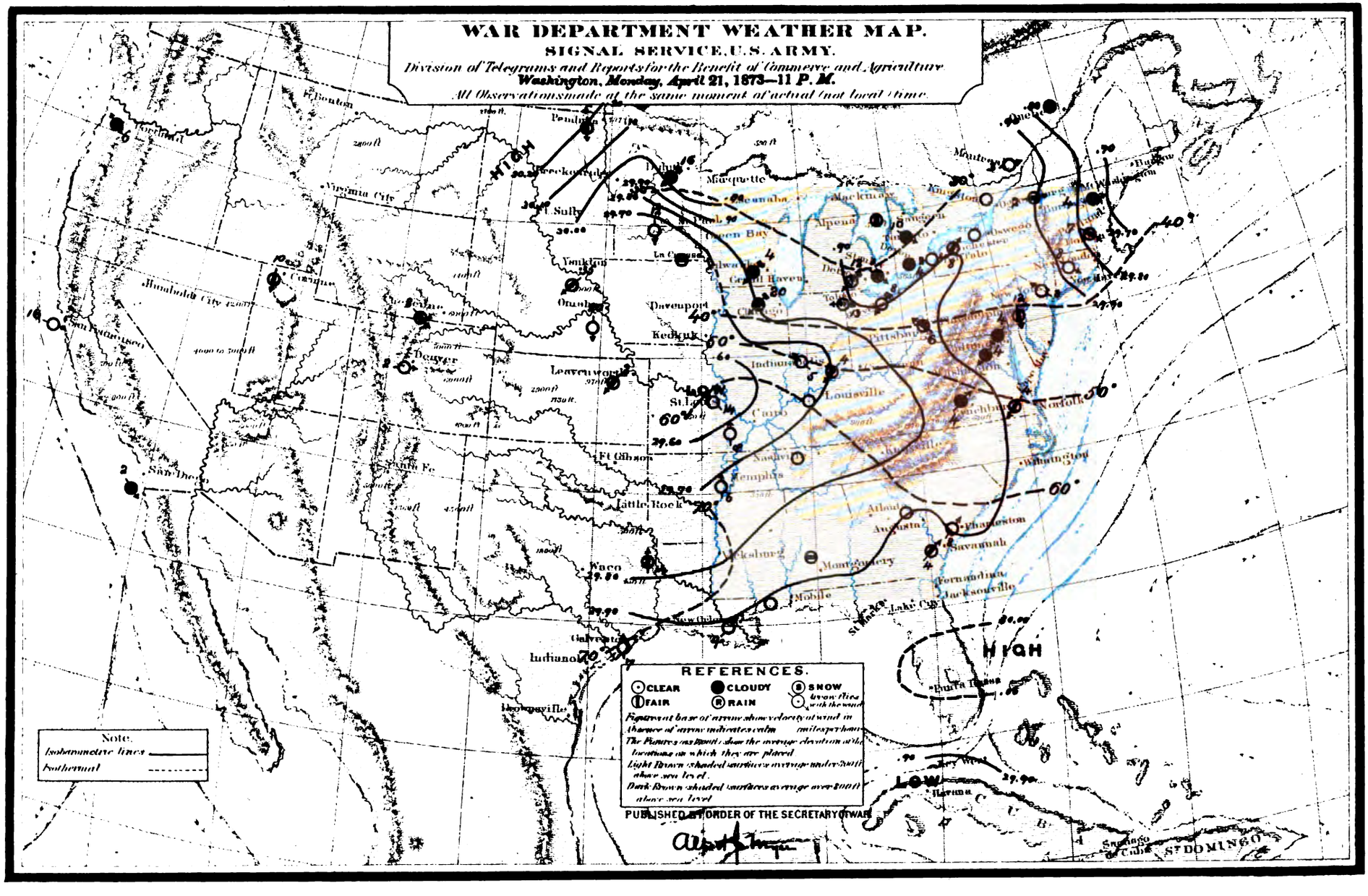
(4.) *Snowy.*—At Cleveland and Detroit, wind NE., fresh; Toledo, wind E., fresh; Chicago, wind NE., brisk.

GENERAL REMARKS AS TO VERIFICATIONS.

The above "Probabilities" were generally verified, except "for the Lower Lakes, winds veer to northeast, with cloudy weather," and "for the Middle Atlantic States, winds back to southwest, with rising temperature," partly verified; "possibly rain on the coast of Texas," not verified.

METEOROLOGICAL RECORD, APRIL 21, 1873—11 P. M.

Place of observation.	Barometer.	Thermometer.	Relative humidity, per cent.	Wind.		Clouds.			Rain-fall in last 8 hours.	State of the weather.
				Direction.	Velocity.	Amount of lower.	Amount of upper.	Direction of upper.		
*Alpena, Mich	29.98	28	77	Calm.	0	0	0			Clear.
Augusta, Ga	29.92	60	55	Calm.	0	1-4	0			Clear.
Baltimore, Md	29.97	45	53	N. E.	4	4-4				Cloudy.
Boston, Mass	29.79	39	82	N. W.	7	1-4	0			Fair.
*Breckenridge, Minn	30.04	26	75	N.	25	4-4				Cloudy.
Buffalo, N. Y	29.89	35	80	W.	4	1-4	Hazy			Clear.
Burlington, Vt	29.85	35	52	W.	2	2-4	0			Fair.
Cairo, Ill	29.69	63	37	S.	8					Clear.
*Cape May, N. J	29.99	44	52	N.	4	4-4				Threatening.
Charleston, S. C	29.89	66	79	S. W.	8	Hazy	0			Clear.
Cheyenne, Wyo	29.67	55	80	N. W.	8	2-4				Fair.
Chicago, Ill	29.84	34	79	N. E.	20	4-4			.11	Light snow.
Cincinnati, Ohio	29.78	50	88	N. E.	4	2-4	0			Fair.
Cleveland, Ohio	29.88	35	90	N. E.	8	4-4				Light snow.
Corinne, Utah	30.04	46	39	N.	10	0	0			Fair.
*Davenport, Iowa	29.71	42	66	N. E.	16	2-4	2-4	N. E.		Fair.
Denver, Colo	29.68	55	15	W.	2	0	0			Clear.
Detroit, Mich	29.91	30	100	N. E.	12	4-4			.02	Light snow.
Duluth, Minn	30.01	28	77	N. E.	16	4-4				Cloudy.
*Eastport, Me	29.60	39	82	N. E.	6	4-4				Light rain.
*Escanaba, Mich		27	76	N.	16	0	0			Clear.
*Fort Benton, Mont	29.98	32	95	N. E.	22	4-4			.19	Heavy snow.
Fort Garry, Manitoba	30.19	38	50	N. E.	5	0	0			Fair.
*Fort Gibson, Ind. T	29.60	74	32	S. E.	4	1-4	0			Fair.
*Fort Sully, Dak	30.13	26	63	N. E.	29	4-4				Cloudy.
Galveston, Tex	29.96	69	84	S.	7	0	0			Clear.
*Grand Haven, Mich	29.92	32	79	E.	6	2-4	1-4	W.		Fair.
Indianapolis, Ind	29.68	46	53	S. E.	5	Hazy	0			Clear.
*Indianola, Tex	29.98	68	79	S.	14	0	0			Clear.
*Jacksonville, Fla	29.98	67	69	S.	10	Hazy	Hazy			Fair.
*Keokuk, Iowa	29.60	47	62	N. E.	12	Hazy	0			Clear.
*Key West, Fla	29.90	72	90	S. E.	14	4-4			1.61	Cloudy.
Kingston, Canada	29.95	32	90	Calm.	0	0	0			Clear.
*Knoxville, Tenn	29.83	58	30	S. W.	4	0	0			Clear.
La Crosse, Wis	29.83	34	62	Calm.	0	2-4	Hazy			Fair.
*Lake City, Fla	29.96	64	88	S. W.	4	0	Hazy			Fair.
Leavenworth, Kans	29.44	68	79	N. E.	2					Fair.
Louisville, Ky	29.73	53	61	Calm.	0	0	0			Clear.
Lynchburg, Va	29.88	55	65	S. W.	4	4-4				Cloudy.
*Marquette, Mich	30.03	24	61	N.	4	0	0			Clear.
Memphis, Tenn	29.78	66	37	S.	6	0	0			Clear.
Milwaukee, Wis	29.84	34	79	S. E.	4	4-4				Cloudy.
Mobile, Ala	29.95	67	79	Calm.	0	0	0			Clear.
Montgomery, Ala	29.89	64		Calm.	0	Smoky	0			Fair.
Montreal, Canada	29.88	38	62	W.	3	0	0			Clear.
*Mount Washington, N. H	29.66	18	84	W.	22	4-4				Cloudy.
Nashville, Tenn	29.78	61	35	Calm.	0	0	0	W.		Clear.
New London, Conn	29.84	37	81	N. W.	8	0	0		.02	Clear.
New Orleans, La	29.92	67	79	S. W.	9	0	0			Clear.
New York, N. Y	29.94	31	64	S. E.	8	Smoky	0			Clear.
Norfolk, Va	29.95	50	61	N. E.	4	1-4	0			Fair.
Omaha, Nebr	29.69	50	79	N.	20	0	0			Clear.
Oswego, N. Y	29.91	35	57	Calm.	0	0	0			Clear.
Pembina, Dak	30.19	24	86	N.	5	0	0			Fair.
Philadelphia, Pa	29.97	40	52	N.	12	2-4	0			Fair.
Pittsburgh, Pa	29.91	40	64	S. E.	6	Fog				Foggy.
Port Dover, Canada	29.95	34	62	Calm.	0	0	4-4			Cloudy.
Port Stanley, Canada	29.96	33	66	N. W.	1	4-4				Cloudy.
Portland, Me	29.70	38	76	W.	4	1-4	2-4			Cloudy.
Portland, Oreg	30.16	50	79	S. E.	6	4-4			.26	Cloudy.
*Punta Rassa, Fla	29.97	63	94	E.	8	4-4			.57	Light rain.
Quebec, Canada	29.66	32	85	Calm.	0	4-4				Cloudy.
Rochester, N. Y	29.91	33	85	S. W.	8	1-4				Fair.
San Diego, Cal	30.06	59	76	N. W.	2	4-4				Cloudy.
San Francisco, Cal	30.24	54	61	W.	16	0	0			Clear.
*Santa Fé, N. Mex	29.66	59	9	W.	8	1-4	0			Fair.
Saugeen, Canada	29.95	29	71	Calm.	0	1-4	2-4			Fair.
Savannah, Ga	29.92	68	64	S. W.	4	2-4	0	S. W.		Fair.
Shreveport, La	29.79	75	37	S.	14	0	1-4			Fair.
Saint Louis, Mo	29.56	61	45	S. E.	14	0	Hazy			Clear.
Saint Paul, Minn	29.64	34	65	N.	12	0	0			Clear.
Toledo, Ohio	29.90	36	90	E.	13	4-4		W.		Heavy snow.
Toronto, Canada	29.90	33	70	N. W.	10	2-4	2-4			Cloudy.
*Vicksburg, Miss	29.88	70	43	S.	7	0	0			Clear.
Virginia City, Mont										
Washington, D. C	29.96	47	41	N. E.	4	4-4				Cloudy.
Wilmington, N. C										
Yankton, Dak	29.89	31	92	N. E.	35	2-4	Hazy			Fair.


WAR DEPARTMENT WEATHER MAP.
SIGNAL SERVICE, U.S. ARMY.
Division of Telegrams and Reports for the Benefit of Commerce and Agriculture.
Washington, Monday, April 21, 1873—11 P. M.
All Observations made at the same moment of actual (not local) time.
HIGH
LOW
REFERENCES.
CLEAR
CLOUDY
SNOW
FAIR
RAIN
Note.
Isobarometric lines
Isothermal
PUBLISHED BY ORDER OF THE SECRETARY OF WAR

WASHINGTON, D. C.,
MONDAY, *April* 21, 1873—11 *p. m.*

SYNOPSIS.

The barometer has risen somewhat since Sunday night over the Middle States and Lower Lakes. A storm-centre of some magnitude has advanced eastward into the Missouri Valley, and is probably now central in Northern Missouri. North and west winds, with partly cloudy or clear weather and falling temperature, prevail in New York and Western New England. Northeasterly winds and cloudy weather in the Middle Atlantic States. North and east winds, increasing to brisk, with threatening weather, over Lake Erie, Michigan, and Wisconsin, with snow on Lakes Erie and Michigan. Southwest winds and calms are reported, with clear weather, in the Eastern Gulf and South Atlantic States, except in Southern Florida, where increasing northeast winds and light rain prevail. The barometer has fallen decidedly over the latter region, and a storm of some severity apparently exists in the eastern portion of the Gulf of Mexico. Increasing southerly winds, with falling barometer, are reported from Texas and the Lower Ohio Valley. The pressure has risen, with cold northerly winds and clear weather, in Manitoba. Southerly winds, with rain, have prevailed in California and Oregon, but are now followed by clear weather in the former State.

PROBABILITIES.

The storm in the Gulf of Mexico extend during Tuesday northwestward toward the centre of the Gulf. That in the Missouri Valley extend over Michigan and Indiana. For New England and the Middle States, increasing northeasterly winds, cloudy and threatening weather. For the Lower Lakes, northeast winds, with snow and rain. For the Upper Lakes, north and east winds, increasing to brisk. For the Ohio Valley and Southern States, increasing southwesterly winds, falling barometer, rising temperature, followed by cloudy weather and possibly rain on the coast.

Cautionary signals continue at Duluth, Chicago, Milwaukee, Grand Haven, and are ordered for Detroit, Toledo, Cleveland, and Buffalo. Midnight reports are very generally missing from the Missouri Valley.

FACTS—7.35 A. M., (*following the above "Probabilities."*)

WIND AND WEATHER.

(1.) *Clear.*—At San Francisco, calm; Montreal, wind N., light; Quebec, wind W., light; Mobile, wind S., light; Burlington, wind N., gentle; Alpena, Cincinnati, Kingston, and Saugeen, wind NE., fresh; Portland, Me., wind W., fresh; Breckenridge, wind NE., brisk.

(2.) *Fair.*—At Augusta and Lake City, calm; Montgomery, wind W., light; Corinne, wind NE., light; Cheyenne, wind W., gentle; New London, wind NW., gentle; Boston, wind NW., fresh; Baltimore, Cape May, Washington, and Knoxville, wind SE., fresh; New Orleans, Savannah, and Wilmington, wind SW., fresh; Indianapolis and Lynchburg, wind NE., fresh; Louisville and Nashville, wind S., fresh; Keokuk, wind N., fresh; Norfolk, wind E., fresh; Saint Louis, wind N., brisk; Key West, wind NW., brisk.

(3.) *Cloudy.*—At Oswego and Dover, calm; Buffalo, wind W., gentle; Charleston and Philadelphia, wind SW., gentle; Fort Gibson, wind SE., gentle; Pittsburgh, wind NE., gentle; Stanley, wind N., gentle; Duluth, Davenport, and Milwaukee, wind NE., fresh; Jacksonville, Memphis, and New York, wind SW., fresh; Eastport and Pembina, wind NW., fresh; Detroit, wind E., fresh; Rochester, wind W., fresh; Galveston and Shreveport, wind S., fresh; Toronto, wind N., fresh; Chicago, wind NE., brisk; Omaha and Punta Rassa, wind N., brisk.

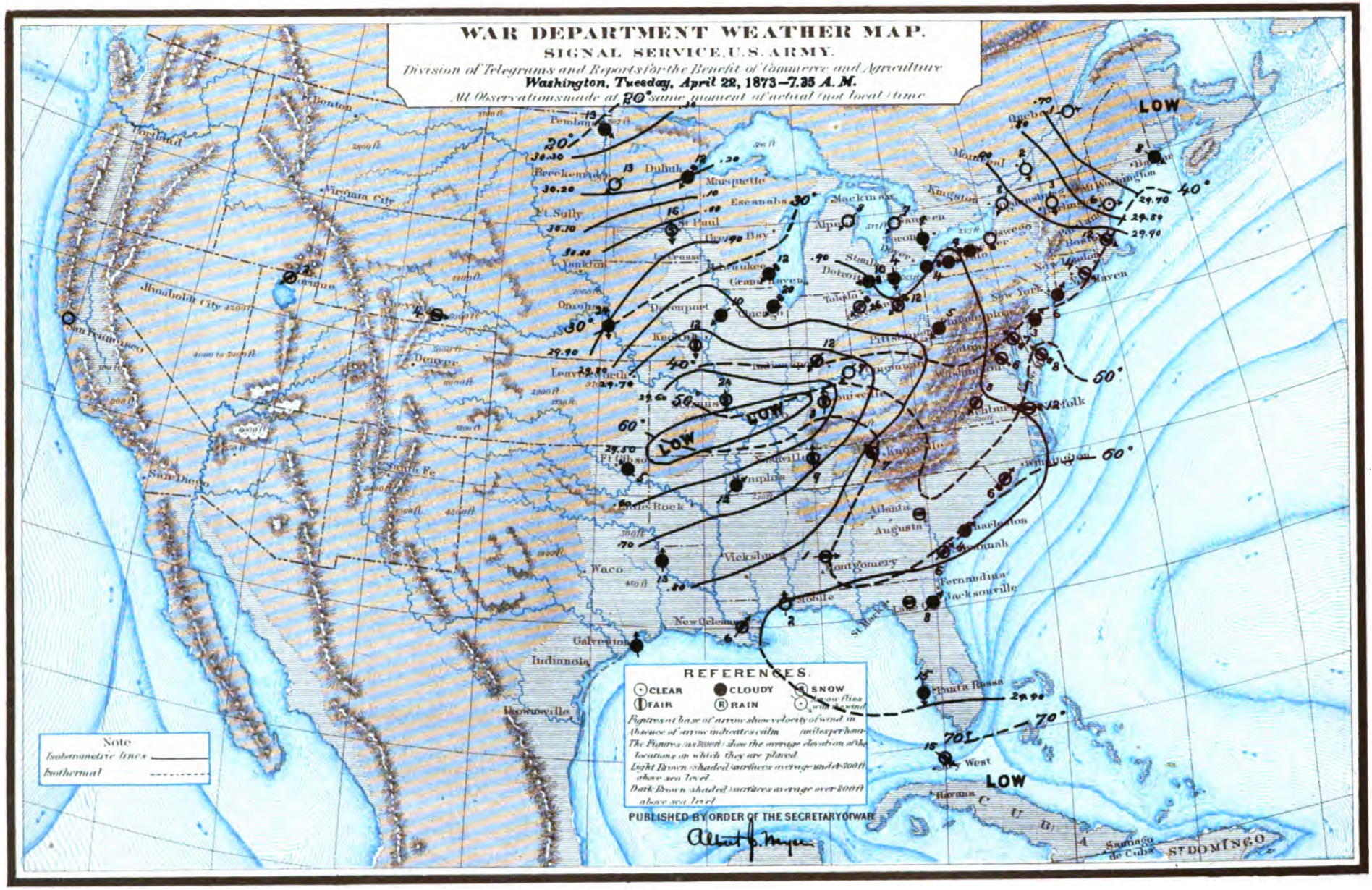
(4.) *Snowy.*—At Cleveland, wind NE., fresh; Saint Paul, wind N., brisk; Toledo, wind NE., brisk.

GENERAL REMARKS AS TO VERIFICATIONS.

The above "Probabilities" were generally verified, except "for New England, increasing northeasterly winds, cloudy and threatening weather," and "for the Ohio Valley, southwesterly winds," partly verified; "the storm in the Gulf of Mexico extend during Tuesday, northwestward toward the center of the Gulf," and "for Southern States, cloudy weather and possibly rain on the coast," not verified.

METEOROLOGICAL RECORD, APRIL 22, 1873—7.35 A. M.

Place of observation.	Barometer.	Thermometer.	Relative humidity, per cent.	Wind.		Clouds.			Rain-fall in last 8 hours.	State of the weather.
				Direction.	Velocity.	Amount of lower.	Amount of upper.	Direction of upper.		
Alpena, Mich	30.00	32	72	N. E.	8	0	0			Clear.
Augusta, Ga	29.88	57	58	Calm.	0	Smoky	1-4			Fair.
Baltimore, Md	29.96	48	52	S. E.	7	1-4	1-4	S. W.		Fair.
Boston, Mass	29.90	41	41	N. W.	12	0	2-4	N. W.		Fair.
Breckenridge, Minn	30.20	25	81	N. E.	15	0	0			Clear.
Buffalo, N. Y	29.87	35	74	W.	4	4-4				Cloudy.
Burlington, Vt	29.88	36	45	N.	3	0	0			Clear.
*Cairo, Ill	29.50	65	52	S.	8	2-4	2-4			Cloudy.
Cape May, N. J	29.98	45	60	S. E.	8	0	1-4	N. W.		Fair.
Charleston, S. C	29.89	65	84	S. W.	4	Smoky	4-4	W.		Cloudy.
Cheyenne, Wyo	29.77	38	45	W.	4	1-4	2-4	W.		Fair.
Chicago, Ill	29.83	35	81	N. E.	20	4-4			.06	Cloudy.
Cincinnati, Ohio	29.67	45	68	N. E.	7	Smoky	Hazy			Clear.
Cleveland, Ohio	29.84	32	95	N. E.	12	4-4			.37	Heavy snow.
Corinne, Utah	30.03	35	54	N. E.	2	1-4	Hazy			Fair.
Davenport, Iowa	29.78	36	80	N. E.	10	4-4				Cloudy.
*Denver, Colo	29.81	42	66	Calm.	0	0	2-4	S. W.		Fair.
Detroit, Mich	29.88	32	95	E.	10	4-4			.05	Cloudy.
Duluth, Minn	30.20	28	76	N. E.	12	4-4				Cloudy.
Eastport, Me	29.63	38	72	N. W.	8	2-4	2-4	N. W.	.05	Cloudy.
*Escanaba, Mich		23	86	N.	12	4-4				Cloudy.
*Fort Benton, Mont	30.17	20	92	E.	23	4-4			.11	Light snow.
Fort Garry, Manitoba	30.32	20	62	N. E.	15	0	0			Clear.
Fort Gibson, Ind. T	29.52	68	33	S. E.	5	3-4	1-4			Cloudy.
*Fort Sully, Dak	30.31	19	84	N.	19	4-4				Cloudy.
*Galveston, Tex	29.84	67	84	S.	10	2-4	1-4			Cloudy.
*Grand Haven, Mich	29.91	32	60	N. E.	12	4-4				Cloudy.
Indianapolis, Ind	29.63	41	65	N. E.	12	Hazy	Hazy	N. E.		Fair.
*Indianola, Tex	29.86	67	82	S. W.	26	2-4	1-4	N. W.		Fair.
Jacksonville, Fla	29.94	64	88	S. W.	8	4-4				Cloudy.
Keokuk, Iowa	29.67	38	72	N.	12	1-4	1-4			Fair.
Key West, Fla	29.87	73	81	N. W.	15	0	2-4	W.	.13	Fair.
Kingston, Canada	29.99	33	61	N. E.	8	0	0			Clear.
Knoxville, Tenn	29.82	51	64	S. E.	7	Hazy	1-4			Fair.
*La Crosse, Wis	29.98	32	54	N. E.	5	2-4	2-4	N. E.		Cloudy.
Lake City, Fla	29.72	63	94	Calm.	0	Fog				Foggy.
*Leavenworth, Kans	29.60	43	51	N. E.	17	0	3-4	N.		Fair.
Louisville, Ky	29.54	59	38	S.	8	1-4	2-4	W.		Fair.
Lynchburg, Va	29.88	47	55	N. E.	8	0	2-4	W.		Fair.
*Marquette, Mich	30.11	25	87	N.	8	0	4-4	N. W.		Cloudy.
Memphis, Tenn	29.67	67	45	S. W.	12	3-4	1-4	W.		Clear.
Milwaukee, Wis	29.85	32	74	N. E.	12	3-4	1-4			Cloudy.
Mobile, Ala	29.93	66	84	S.	2	0	0			Clear.
Montgomery, Ala	29.88	57	81	W.	1	Smoky	0			Fair.
Montreal, Canada	29.85	34	71	N.	2	0	0			Clear.
*Mount Washington, N. H	29.66	17	83	W.	42	Hazy	0			Fair.
Nashville, Tenn	29.67	67	32	S.	9	Hazy	2-4	S.		Fair.
New London, Conn	29.95	41	62	N. W.	4	Hazy	Hazy			Fair.
New Orleans, La	29.88	65	84	S. W.	6	2-4	0			Fair.
New York, N. Y	29.97	40	73	S. W.	6	4-4				Cloudy.
Norfolk, Va	29.90	54	63	E.	12	0	2-4	S.		Fair.
Omaha, Nebr	29.90	31	89	N.	24	4-4				Cloudy.
Oswego, N. Y	29.91	39	67	Calm.	0	4-4				Cloudy.
Pembina, Dak	30.37	22	86	N. W.	13	4-4				Cloudy.
Philadelphia, Pa	30.00	41	57	S. W.	3	4-4				Threatening.
Pittsburgh, Pa	29.81	37	90	N. E.	5	Smoky	4-4	W.		Cloudy.
Port Dover, Canada	29.95	31	79	Calm.	0	0	4-4	W.		Cloudy.
Port Stanley, Canada	29.95	32	79	N.	4	4-4				Cloudy.
Portland, Me	29.78	42	27	W.	6	0	0			Clear.
*Portland, Oreg	30.25	47	84	S. E.	4	4-4			.02	Cloudy.
Punta Rassa, Fla	29.90	64	88	N.	15	0	4-4	N.	1.44	Clear.
Quebec, Canada	29.64	38	53	W.	1	0	0			Clear.
Rochester, N. Y	29.92	34	79	W.	9	4-4				Cloudy.
*San Diego, Cal	29.95	52	86	E.	2	0	0			Clear.
San Francisco, Cal	30.19	51	64	Calm.	0	0	0			Clear.
*Santa Fé, N. Mex	29.61	49	23	N.	4	0	0			Clear.
Saugeen, Canada	29.95	30	46	N. E.	7	1-4	0			Clear.
Savannah, Ga	29.89	66	73	S. W.	6	1-4	2-4	S. E.		Fair.
Shreveport, La	29.72	67	46	S.	13	0	4-4	S. W.		Cloudy.
Saint Louis, Mo	29.53	46	61	N.	24	Smoky	2-4	N. W.	.08	Fair.
Saint Paul, Minn	29.98	26	88	N.	16	4-4			.17	Light snow.
Toledo, Ohio	29.86	34	90	N. E.	26	4-4				Light snow.
Toronto, Canada	29.93	35	61	N.	9	1-4	4-4	W.		Cloudy.
*Vicksburg, Miss	29.82	64	61	S.	7	0	0			Clear.
Virginia City, Mont										
Washington, D. C	29.99	51	52	S. E.	6	2-4	2-4	S.		Fair.
Wilmington, N. C	29.85	64	83	S. W.	6	Hazy	2-4	S. W.		Fair.
*Yankton, D. T	30.02	26	92	N. E.	31	1-4	3-4	W.		Cloudy.


WAR DEPARTMENT WEATHER MAP.
SIGNAL SERVICE, U.S. ARMY.
Division of Telegrams and Reports for the Benefit of Commerce and Agriculture
Washington, Tuesday, April 22, 1873—7.35 A.M.
All Observations made at 20° same moment of actual (not local) time
LOW
LOW
LOW
LOW
REFERENCES.
CLEAR
CLOUDY
SNOW
FAIR
RAIN
Figures at base of arrow show velocity of wind in miles per hour
Absence of arrow indicates calm
The Figures (as 2000ft) show the average elevation of the locations in which they are placed.
Light Brown shaded surfaces average under 500ft above sea level.
Dark Brown shaded surfaces average over 500ft above sea level
PUBLISHED BY ORDER OF THE SECRETARY OF WAR
Note
Isobarometric lines
Isothermal
Portland
Boston
Virginia City
Humboldt City
San Francisco
San Diego
Denver
Santa Fe
Leavenworth
Omaha
Dubuque
Duluth
Marquette
Escanaba
St Paul
Breckenridge
Ft. Sully
Yankton
Pembina
Mackinaw
Alpena
Milwaukee
Green Bay
Chicago
Detroit
Toledo
Cleveland
Buffalo
Oswego
Kingston
Montreal
Quebec
Portland
Boston
New York
New Haven
Philadelphia
Baltimore
Washington
Norfolk
Pittsburgh
Cincinnati
Louisville
Knoxville
Nashville
Memphis
Little Rock
Atlanta
Augusta
Charleston
Savannah
Vicksburg
Montgomery
Mobile
Waco
New Orleans
Galveston
Indianola
Brownsville
Fernandina
Jacksonville
Key West
Havana
Santiago de Cuba
St DOMINGO
Punta Rassa
CUBA

WASHINGTON, D. C.,
TUESDAY, *April* 22, 1873—7.35 *a. m.*

SYNOPSIS.

The barometer has fallen decidedly since Monday morning over the entire country east of the Mississippi River. Especial barometric depressions apparently exist south of Florida and in the Lower Ohio Valley. The pressure also continues low in Maine. Northeast winds, increasing to brisk, with threatening weather and snow, are reported on Lakes Erie and Michigan. Brisk, cold northerly winds in Illinois and Iowa. Warm south and southwest winds, with partly cloudy and hazy weather, throughout the Southern States. The pressure is highest, with fresh northerly winds and low temperature, in the extreme Northwest. Light winds and calms, with cloudy weather, prevail in New York. Southeasterly winds, with partly cloudy and threatening weather, in the Middle Atlantic States.

PROBABILITIES.

The storm-centre in the Ohio Valley move, during the rest of Tuesday, eastward into Ohio, and a second barometric depression develop in North Carolina and Virginia. For the Southern States, increasing southerly winds and possibly light rain, except in Florida. For the Middle Atlantic States, southeast winds back to east and northeast, followed by rain, Tuesday night. For the Lake region, generally increasing northeast winds, cloud, and rain. For New England, partly cloudy weather and rising temperature, followed Tuesday night by easterly winds, cloudy and threatening weather. For Lake Superior and the Northwest, rising barometer, cold northerly winds, and clearing weather. For the Western Gulf States, increasing southerly winds, veering to southwest, with rain. For Southern Florida, northerly winds and rain, accompanying a storm-centre in the southeasterly portion of the Gulf of Mexico.

Cautionary signals continue at Duluth, Chicago, Milwaukee, Grand Haven, Detroit, Toledo, Cleveland, and Buffalo, and are ordered for Wilmington, Norfolk, Baltimore, Cape May, Rochester, and Oswego.

FACTS—4.35 P. M., (*following the above "Probabilities."*)

WIND AND WEATHER.

(1.) *Clear.*—At Duluth, wind NE., light; Montreal, wind N., gentle; Lynchburg, wind SW., gentle; Burlington and Saugeen, wind N., fresh; Key West and Punta Rassa, wind NW., fresh; New Orleans, wind SW., fresh; San Diego, wind W., fresh; Pembina, wind NE., fresh; Washington, wind E., fresh; San Francisco, wind W., brisk; Vicksburg, wind SW., brisk; Marquette, wind NW., brisk.

(2.) *Fair.*—At Buffalo, wind SW., light; Corinne, wind E., light; Santa Fé, wind W., gentle; Norfolk, wind NE., gentle; Rochester, wind N., gentle; Dover, wind S., gentle; Stanley, wind SE., gentle; Oswego, wind NW., gentle; Eastport, wind W., fresh; Davenport and Baltimore, wind NE., fresh; Kingston, Memphis, Lake City, Charleston, Mobile, and Nashville, wind SW., fresh; Augusta, Galveston, Jacksonville, and Savannah, wind S., fresh; Cincinnati, Louisville, Saint Louis, Escanaba, and Saint Paul, wind N., brisk; Wilmington, wind SW., brisk; Grand Haven and Milwaukee, wind NE., brisk; Indianola and Shreveport, wind S., brisk; Alpena, wind NW., brisk; Fort Gibson, wind NW., gale.

(3.) *Cloudy.*—At Toronto, wind SW., light; Montgomery, wind SW., gentle; Portland, Oreg., wind NW., gentle; Boston, wind NW., fresh; Cairo and Quebec, wind W., fresh; Denver, wind NE., fresh; Portland, Me., wind SW., fresh; New York, wind N., fresh; Pittsburgh, wind NE., fresh; Toledo, wind SE., fresh; Cape May, Detroit, Keokuk, and Indianapolis, wind NE., brisk; Knoxville, wind S., brisk; Leavenworth and Chicago, wind N., brisk; Philadelphia, wind E., brisk.

(4.) *Rainy.*—At New London, wind SW., fresh.

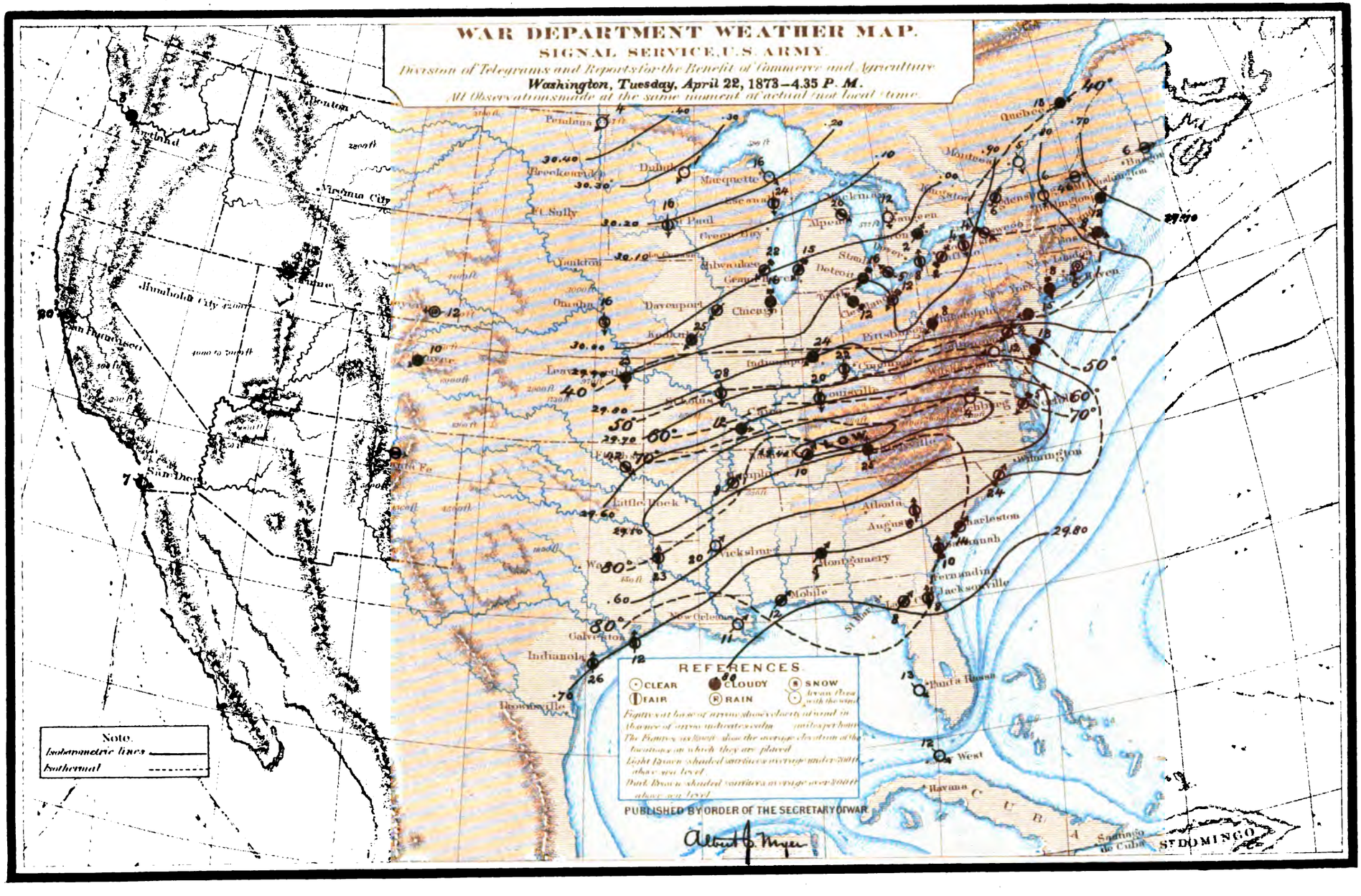
(5.) *Snowy.*—At Cleveland, wind NE., fresh; Cheyenne, wind E., fresh; Omaha, wind N., brisk.

GENERAL REMARKS AS TO VERIFICATIONS.

The above "Probabilities" were generally verified, except "for the Southern States, possibly light rain," "for New England, Tuesday night, easterly winds, cloudy and threatening weather," "for the Western Gulf States, rain," and "cautionary signals at Buffalo, Rochester, and Oswego," not verified.

METEOROLOGICAL RECORD, APRIL 22, 1873—4.35 P. M.

Place of observation.	Barometer.	Thermometer.	Relative humidity, per cent.	Wind.		Clouds.			Rain-fall in last 8 hours.	State of the weather.
				Direction.	Velocity.	Amount of lower.	Amount of upper.	Direction of upper.		
Alpena, Mich	30.02	41	49	N. W.	20	0	1-4	N. W.	.....	Fair.
Augusta, Ga	29.71	84	17	S.	8	0	2-4	S. W.	.....	Fair.
Baltimore, Md	29.71	54	47	N. E.	12	Hazy..	1-4	W.	.....	Fair.
Boston, Mass	29.77	50	32	N. W.	8	Hazy..	4-4	.....	.....	Cloudy.
*Breckenridge, Minn	30.27	32	73	N.	20	0	3-4	N.	.....	Cloudy.
Buffalo, N. Y	29.83	40	73	S. W.	2	1-4	Hazy..	.....	.02	Fair.
Burlington, Vt	29.76	45	24	N.	6	0	1-4	W.	.....	Clear.
Cairo, Ill	29.45	80	41	W.	12	3-4	1-4	W.	.....	Cloudy.
Cape May, N. J	29.75	44	75	N. E.	18	4-4	.....	.....	.....	Threatening.
Charleston, S. C	29.79	71	71	S. W.	14	0	3-4	.....	.....	Fair.
Cheyenne, Wyo	29.89	28	48	E.	12	4-4	.....	.....	.....	Light snow.
Chicago, Ill	29.97	36	55	N.	16	1-4	3-4	N. W.	.....	Cloudy.
Cincinnati, Ohio	29.69	52	60	N.	22	Smoky	Hazy..	.....	.....	Fair.
Cleveland, Ohio	29.88	34	70	N. E.	12	4-4	.....	.....	.13	Light snow.
Corinne, Utah	29.99	49	36	N.	2	2-4	1-4	W.	.....	Fair.
Davenport, Iowa	29.93	45	39	N. E.	14	1-4	2-4	S. W.	.02	Fair.
Denver, Colo	29.92	37	53	N. E.	10	4-4	.....	.....	.....	Cloudy.
Detroit, Mich	29.90	39	38	N. E.	16	2-4	2-4	N. E.	.....	Cloudy.
Duluth, Minn	30.25	40	38	N. E.	1	0	0	.....	.....	Clear.
Eastport, Me	29.62	46	40	W.	6	0	2-4	W.	.....	Fair.
Escanaba, Mich	.....	37	48	N.	24	Hazy..	0	.....	.....	Fair.
*Fort Benton, Mont	30.38	23	73	E.	16	1-4	2-4	E.	.02	Fair.
Fort Garry, Manitoba	30.36	33	46	N.	14	0	0	.....	.....	Clear.
Fort Gibson, Ind. T	29.50	74	39	N. W.	42	Hazy..	1-4	W.	.....	Fair.
*Fort Sully, Dak	30.34	33	56	N.	19	4-4	.....	.....	.....	Cloudy.
Galveston, Tex	29.74	75	79	S.	12	0	1-4	S. W.	.....	Fair.
Grand Haven, Mich	29.90	45	24	N. E.	15	1-4	1-4	W.	.....	Fair.
Indianapolis, Ind	29.74	45	53	N. E.	24	Smoky	4-4	N. E.	.....	Cloudy.
Indianola, Tex	29.73	76	66	S.	26	0	1-4	W.	.....	Fair.
Jacksonville, Fla	29.83	79	46	S.	8	0	1-4	.....	.....	Fair.
Keokuk, Iowa	29.75	40	77	N. E.	25	4-4	.....	.....	.....	Cloudy.
Key West, Fla	29.88	75	63	N. W.	12	0	0	.....	.....	Clear.
Kingston, Canada	29.83	42	62	S. W.	6	0	2-4	W.	.....	Fair.
Knoxville, Tenn	29.58	82	16	S.	25	Hazy..	4-4	W.	.....	Cloudy.
*La Crosse, Wis	30.06	45	17	N. E.	12	2-4	2-4	S. W.	.....	Cloudy.
Lake City, Fla	29.80	80	52	S. W.	8	0	3-4	S. W.	.....	Fair.
Leavenworth, Kans	29.83	46	54	N.	23	4-4	.....	.....	.....	Cloudy.
Louisville, Ky	29.55	62	46	N.	20	Smoky	2-4	.....	.....	Fair.
Lynchburg, Va	29.52	78	13	S. W.	4	0	0	.....	.....	Clear.
Marquette, Mich	30.20	31	68	N. W.	16	0	0	.....	.....	Clear.
Memphis, Tenn	29.55	80	27	S. W.	8	1-4	Hazy..	S. W.	.....	Fair.
Milwaukee, Wis	29.97	35	63	N. E.	22	1-4	2-4	W.	.....	Fair.
Mobile, Ala	29.83	62	35	S. W.	12	0	2-4	W.	.....	Fair.
Montgomery, Ala	29.73	86	21	S. W.	5	0	4-4	W.	.....	Cloudy.
Montreal, Canada	29.78	48	42	N.	5	0	0	.....	.....	Clear.
Mount Washington, N. H	29.65	17	70	W.	46	0	1-4	W.	.....	Fair.
Nashville, Tenn	29.51	85	23	S. W.	10	0	3-4	W.	.....	Fair.
New London, Conn	29.84	39	100	S. W.	6	4-4	.....	.....	.03	Light rain.
New Orleans, La	29.81	77	38	S. W.	11	1-4	Hazy..	.....	.....	Clear.
New York, N. Y	29.85	40	82	N.	3	4-4	.....	.....	.07	Cloudy.
Norfolk, Va	29.65	71	59	N. E.	6	0	2-4	W.	.....	Fair.
Omaha, Nebr	29.77	34	95	N.	16	4-4	.....	.....	.....	Light snow.
Oswego, N. Y	29.87	39	67	N. W.	4	1-4	Hazy..	.....	.....	Fair.
Pembina, Dak	30.40	32	59	N. E.	14	0	0	.....	.....	Clear.
Philadelphia, Pa	29.80	41	74	E.	15	4-4	.....	.....	.....	Cloudy.
Pittsburgh, Pa	29.80	39	73	N. E.	8	4-4	.....	.....	.....	Cloudy.
Port Dover, Canada	29.96	37	71	S.	3	0	2-4	N.	.....	Fair.
Port Stanley, Canada	29.92	37	76	S. E.	5	1-4	2-4	N.	.....	Fair.
Portland, Me	29.70	47	27	S. W.	12	0	4-4	N. W.	.....	Cloudy.
Portland, Oreg	30.30	49	71	N. W.	3	4-4	.....	.....	.02	Cloudy.
Punta Rassa, Fla	29.88	70	79	N. W.	13	0	0	.....	.....	Clear.
Quebec, Canada	.....	42	50	W.	13	0	4-4	W.	.....	Cloudy.
Rochester, N. Y	29.87	39	38	N.	4	0	2-4	W.	.....	Fair.
San Diego, Cal	29.94	65	64	W.	7	Hazy..	Hazy..	.....	.....	Clear.
San Francisco, Cal	30.15	59	57	W.	20	0	0	.....	.....	Clear.
Santa Fé, N. Mex	29.56	66	0	W.	5	0	1-4	S. W.	.....	Fair.
Saugeen, Canada	29.99	35	63	N.	12	1-4	0	.....	.....	Clear.
Savannah, Ga	29.77	76	49	S.	10	Smoky	2-4	.....	.....	Fair.
Shreveport, La	29.58	84	25	S.	23	Hazy..	2-4	W.	.....	Fair.
Saint Louis, Mo	29.64	54	49	N.	28	Smoky	2-4	N.	.....	Fair.
Saint Paul, Minn	30.11	36	55	N.	16	0	2-4	N.	.03	Fair.
Toledo, Ohio	29.91	35	70	S. E.	12	4-4	.....	.....	.07	Threatening.
Toronto, Canada	29.90	39	30	S. W.	2	1-4	2-4	N. W.	.....	Cloudy.
Vicksburg, Miss	29.71	81	46	S. W.	20	0	0	.....	.....	Clear.
Virginia City, Mont	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Washington, D. C	29.65	62	46	E.	12	Smoky	Hazy..	S.	.....	Clear.
Wilmington, N. C	29.75	75	53	S. W.	24	Hazy..	2-4	N. W.	.....	Fair.
*Yankton, Dak	30.14	34	85	N. E.	29	1-4	3-4	N.	.....	Cloudy.


WAR DEPARTMENT WEATHER MAP.
SIGNAL SERVICE, U.S. ARMY.
Division of Telegrams and Reports for the Benefit of Commerce and Agriculture
Washington, Tuesday, April 22, 1873—4.35 P. M.
All Observations made at the same moment of actual (not local) time.
REFERENCES.
CLEAR
CLOUDY
SNOW
FAIR
RAIN
Figures at base of arrows show velocity of wind in miles per hour
Note.
Isobarometric lines
Isothermal
PUBLISHED BY ORDER OF THE SECRETARY OF WAR.
Albert J. Myer
Portland
San Francisco
San Diego
Virginia City
Humboldt City
Yuma
Fort Sully
Yankton
Omaha
Davenport
Chicago
Milwaukee
Detroit
Cleveland
Buffalo
Oswego
Toronto
Quebec
Montreal
Portland
Boston
Hartford
New York
Philadelphia
Baltimore
Washington
Pittsburgh
Cincinnati
Louisville
Nashville
Memphis
Little Rock
Vicksburg
Mobile
New Orleans
Galveston
Indianola
Brownsville
Atlanta
Augusta
Charleston
Savannah
Fernandina
Jacksonville
Key West
Havana
Santiago de Cuba
St. Domingo
Cuba
Pembina
Duluth
Marquette
Escanaba
Alpena
Grand Haven
Port Huron
Toledo
Cleveland
Sandusky
Cincinnati
Indianapolis
Cairo
Keokuk
Leavenworth
Fort Smith
Vicksburg
Montgomery
Mobile
New Orleans
Galveston
Brownsville
Fernandina
Jacksonville
Key West
Havana
Santiago de Cuba
St. Domingo
Portland
Boston
New York
Philadelphia
Baltimore
Washington
Norfolk
Charleston
Savannah
Augusta
Atlanta
Nashville
Louisville
Pittsburgh
Buffalo
Oswego
Toronto
Quebec
Montreal
Portland
Eastport
Halifax
Pembina
Duluth
Marquette
Escanaba
Alpena
Port Huron
Toledo
Cleveland
Sandusky
Cincinnati
Indianapolis
Cairo
Keokuk
Leavenworth
Fort Smith
Vicksburg
Montgomery
Mobile
New Orleans
Galveston
Brownsville
Fernandina
Jacksonville
Key West
Havana
Santiago de Cuba
St. Domingo
LOW
30.40
30.30
30.20
30.10
30.00
29.90
29.80
29.70
29.60
29.50
29.40
29.30
29.20
29.10
29.00
29.70
29.80
40°
50°
60°
70°
80°

WASHINGTON, D. C.,
TUESDAY, *April* 22, 1873—4.35 *p. m.*

SYNOPSIS.

The storm-centre, that was Monday afternoon in the Lower Missouri Valley, now extends as a narrow belt of low barometer, stretching from Arkansas to West Virginia. Warm southwesterly winds prevail throughout the Southern States, with partly cloudy weather. Brisk winds are reported from North Carolina, Tennessee, and Louisiana. A northwest gale in Indian Territory, and cold, brisk northerly winds from Kansas northward to Lake Superior. Cold north and northeast winds, with snow, are reported from Nebraska, Lake Erie, and Western Pennsylvania. The barometer has risen decidedly in the extreme Northwest, with clear, cold weather, and to a less extent in Northern New England. A disturbance of some importance passed northward over the Bahamas, and is now beyond our stations. The rivers have risen at Shreveport and Leavenworth, and fallen at Cairo, Louisville, Cincinnati, and Marietta.

PROBABILITIES.

The area of low barometer extend on Wednesday eastward over the Middle Atlantic coast, and thence northeast as a storm of considerable severity. The barometer continue to rise in the Northwest and over the Upper Lakes, with cold northerly winds. Southerly winds veer to northerly in the Western Gulf States, probably forming a severe norther. For the Eastern Gulf and South Atlantic States, southwest winds veer to northwest, with cloudy weather and falling temperature. For New England, New York, and the Lower Lakes, northeast winds, cloud, and rain. For Lake Michigan, increasing northerly winds during Tuesday night.

Cautionary signals continue at Chicago, Milwaukee, Grand Haven, Detroit, Toledo, Cleveland, Buffalo, Rochester, Oswego, Wilmington, Norfolk, Cape May, and Baltimore, and are ordered for Charleston, Savannah, New York, New London, New Haven, and Wood's Hole.

FACTS—11 P. M., (*following the above "Probabilities."*)

WIND AND WEATHER.

(1.) *Clear.*—At Augusta, Nashville, and Portland, Me., calm; Burlington and Saugeen, wind N., light; Oswego, wind E., light; Charleston, wind S., gentle; Breckenridge, Duluth, Kingston, Montreal, Saint Paul, Shreveport, and Toronto, wind N., fresh; Galveston, New Orleans, and Savannah, wind S., fresh; Pembina, wind NE., fresh; San Francisco, wind W., fresh; Mobile and Wilmington, wind SW., fresh; Lynchburg, wind NE., fresh.

(2.) *Fair.*—At Pittsburgh, wind NE., light; Montgomery, wind S., gentle; Buffalo, wind NE., gentle; Corinne and Rochester, wind NW., fresh; Cairo, Leavenworth, and Washington, wind NE., fresh; Dover, wind N., fresh; Memphis, wind S., fresh.

(3.) *Cloudy.*—At Quebec and New London, calm; Baltimore, Cleveland, Cincinnati, Detroit, and Davenport, wind NE., fresh; Chicago and New York, wind N., fresh; Boston and Stanley, wind NW., fresh; Louisville and Omaha, wind N., brisk; Philadelphia and Toledo, wind NE., brisk; Saint Louis, wind N., high.

(4.) *Rainy.*—At Indianapolis, wind NE., fresh.

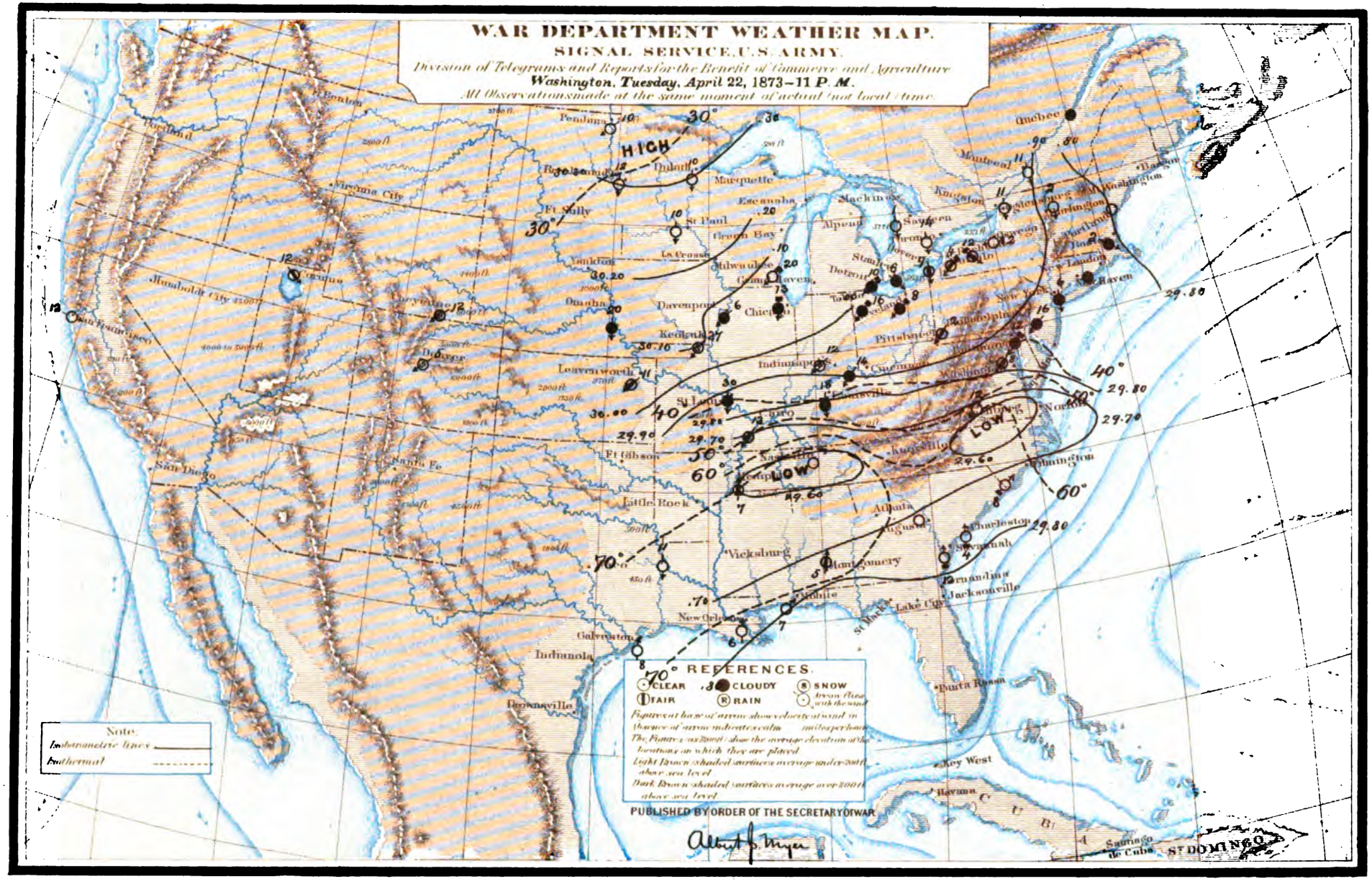
(5.) *Snowy.*—At Denver, wind NE., gentle; Cheyenne, wind NE., fresh; Keokuk, wind NE., brisk.

GENERAL REMARKS AS TO VERIFICATIONS.

The above "Probabilities" were generally verified, except "for the Eastern Gulf and South Atlantic States, winds veer to northwest, with cloudy weather and falling temperature," partly verified; "for New England, northeast wind, cloud, and rain," "for the Lower Lakes, rain," "the area of low barometer extend on Wednesday eastward over the Middle Atlantic coast, and thence northeast as a storm of considerable severity," and "cautionary signals at Detroit, Toledo, Cleveland, Buffalo, Rochester, Oswego, Charleston, Savannah, New York, New London, New Haven, and Wood's Hole," not verified.

[METEOROLOGICAL RECORD, APRIL 22, 1873—11 P. M.

Place of observation.	Barometer.	Thermometer.	Relative humidity, per cent.	Wind.		Clouds.			Rain-fall in last 8 hours.	State of the weather.
				Direction.	Velocity.	Amount of lower.	Amount of upper.	Direction of upper.		
*Alpena, Mich	30.09	29	77	N. W.	14	0	0			Clear.
Augusta, Ga	29.75	66	59	Calm.	0	0	0			Clear.
Baltimore, Md	29.83	45	61	N. E.	12	4-4				Cloudy.
Boston, Mass	29.79	41	65	N. W.	9	4-4				Cloudy.
Breckenridge, Minn	30.37	31	68	N.	12	0	0			Clear.
Buffalo, N. Y	29.93	33	61	N. E.	4	0	2-4	N. E.		Fair.
Burlington, Vt	29.84	35	52	N.	2	0	0			Clear.
Cairo, Ill	29.65	58	59	N. E.	12	2-4				Fair.
*Cape May, N. J	29.77	42	83	N. E.	16	4-4				Threatening.
Charleston, S. C	29.81	64	83	S.	4	0	0			Clear.
Cheyenne, Wyo	30.08	13	90	N. E.	12	4-4				Light snow.
Chicago, Ill	30.04	37	71	N.	13	4-4				Cloudy.
Cincinnati, Ohio	29.89	40	73	N. E.	14	4-4				Threatening.
Cleveland, Ohio	29.95	37	71	N. E.	8	4-4			.01	Cloudy.
Corinne, Utah	29.96	40	73	N. W.	12	1-4	Hazy		.02	Fair.
Davenport, Iowa	30.08	40	55	N. E.	6	4-4				Cloudy.
Denver, Colo	30.14	23	86	N. E.	5	4-4			.21	Light snow.
Detroit, Mich	29.99	33	51	N. E.	10	3-4	0			Cloudy.
Duluth, Minn	30.29	34	43	N.	10	0	0			Clear.
*Eastport, Me	29.64	35	70	W.	3	0	0			Clear.
*Escanaba, Mich		28	65	N.	12	0	0			Clear.
*Fort Benton, Mont	30.50	16	66	Calm.	0	0	2-4	N. W.		Fair.
Fort Garry, Manitoba	30.41	26	69	N.	8	1-4				Fair.
*Fort Gibson, Ind. T	29.89	50	58	N. W.	48	Hazy	0			Clear.
*Fort Sully, Dak	30.23	26	57	N.	14	1-4	0			Fair.
Galveston, Tex	29.78	70	84	S.	8	0	0			Clear.
*Grand Haven, Mich	30.05	36	36	N. E.	16	0	0			Clear.
Indianapolis, Ind	29.91	37	71	N. E.	12	4-4			.01	Light rain.
*Indianola, Tex	29.76	69	89	S.	16	1-4	0			Fair.
*Jacksonville, Fla	29.86	68	60	S.	10	0	0			Clear.
Keokuk, Iowa	30.03	39	89	N. E.	27	4-4				Sleet.
*Key West, Fla	29.91	71	67	Calm.	0	0	0			Clear.
Kingston, Canada	29.94	33	61	N.	11	0	0			Clear.
*Knoxville, Tenn	29.68	73	30	S.	8	Hazy	Hazy			Fair.
*La Crosse, Wis	30.20	38	44	N. E.	17	2-4	0			Fair.
*Lake City, Fla	29.85	63	94	W.	6	0	0			Clear.
Leavenworth, Kans	30.00	40	56	N. E.	11	2-4				Fair.
Louisville, Ky	29.79	42	74	N.	18	4-4				Threatening.
Lynchburg, Va	29.61	63	52	N. E.	12	0	0			Clear.
*Marquette, Mich	30.22	28	66	N. W.	12	0	1-4	N. W.		Fair.
Memphis, Tenn	29.63	73	42	S.	7	1-4	Hazy			Fair.
Milwaukee, Wis	30.06	33	61	N. E.	20	0	Hazy			Clear.
Mobile, Ala	29.86	69	84	S. W.	7	0	0			Clear.
Montgomery, Ala	29.78	71	36	S.	5	2-4	0			Fair.
Montreal, Canada	29.80	35	62	N.	11	0	0			Clear.
*Mount Washington, N. H	29.63	16	83	W.	43	4-4				Cloudy.
Nashville, Tenn	29.58	75	40	Calm.	0	0	0			Clear.
New London, Conn	29.84	37	95	Calm.	0	4-4			.11	Cloudy.
New Orleans, La	29.82	67	79	S.	6	0	0			Clear.
New York, N. Y	29.87	39	82	N.	6	3-4	1-4		.02	Cloudy.
*Norfolk, Va	29.95	50	61	N. E.	4	1-4	0			Fair.
Omaha, Nebr	30.19	34	79	N.	20	4-4			.05	Cloudy.
Oswego, N. Y	29.91	36	66	E.	2	0	0			Clear.
Pembina, Dak	30.37	25	87	N. E.	10	0	0			Clear.
Philadelphia, Pa	29.83	38	82	N. E.	16	4-4				Cloudy.
Pittsburgh, Pa	29.95	34	79	N. E.	2	Fog			.13	Foggy.
Port Dover, Canada	29.99	33	89	N.	7	0	2-4	N.		Fair.
Port Stanley, Canada	30.00	33	60	N. W.	6	4-4				Cloudy.
Portland, Me	29.73	38	40	Calm.	0	0	0			Clear.
*Portland, Oreg	30.32	50	71	S. E.	5	2-4	2-4			Cloudy.
*Punta Rassa, Fla	29.95	68	84	W.	3	0	0			Clear.
Quebec, Canada	29.70	36	70	Calm.	0	4-4				Cloudy.
Rochester, N. Y	29.95	34	57	N. W.	12	1-4	0			Fair.
*San Diego, Cal	29.93	59	76	Calm.	0	0	0			Clear.
San Francisco, Cal	30.06	55	68	W.	12	0	0			Clear.
*Santa Fé, N. Mex	29.63	49	18	S. E.	10	2-4	0			Fair.
Saugeen, Canada	30.03	26	88	N.	1	0	0			Clear.
Savannah, Ga	29.80	64	83	S.	12	0	0			Clear.
Shreveport, La	29.67	73	43	N.	11	0	0			Clear.
Saint Louis, Mo	29.85	38	62	N.	30	4-4				Threatening.
Saint Paul, Minn	30.24	30	68	N.	10	0	0			Clear.
Toledo, Ohio	29.97	36	61	N. E.	16	4-4				Cloudy.
Toronto, Canada	29.99	30	64	N.	14	0	0			Clear.
*Vicksburg, Miss	29.75	70	52	S.	8	0	Hazy			Fair.
Virginia City, Mont										
Washington, D. C	29.82	43	63	N. E.	8	4-4	0			Fair.
Wilmington, N. C	29.78	64	83	S. W.	8	0	0			Clear.
*Yankton, Dak	30.32	32	92	N. E.	18	4-4				Cloudy.


WAR DEPARTMENT WEATHER MAP.
SIGNAL SERVICE, U.S. ARMY.
Division of Telegrams and Reports for the Benefit of Commerce and Agriculture
Washington, Tuesday, April 22, 1873 – 11 P. M.
All Observations made at the same moment of actual (not local) time.
HIGH
LOW
LOW
REFERENCES.
CLEAR
CLOUDY
SNOW
FAIR
RAIN
Figures at base of arrows show velocity of wind in
Note.
Isobarometric lines
Isothermal
PUBLISHED BY ORDER OF THE SECRETARY OF WAR.
Albert J. Myer
Pembina
Duluth
Marquette
Escanaba
Mackinaw
St Paul
Green Bay
La Crosse
Milwaukee
Chicago
Davenport
Keokuk
Omaha
Yankton
Leavenworth
St Louis
Ft Gibson
Memphis
Little Rock
Vicksburg
Mobile
New Orleans
Galveston
Indianola
Brownsville
Ft Sully
Virginia City
Humboldt City
San Francisco
Portland
Boston
Denver
Cheyenne
Santa Fe
San Diego
Quebec
Montreal
Kingston
Toronto
Detroit
Cleveland
Pittsburg
Philadelphia
New York
Washington
Norfolk
Wilmington
Charleston
Savannah
Jacksonville
Atlanta
Augusta
Lake City
Key West
Havana
Santiago de Cuba
ST DOMINGO
Bermuda
Bahama
Indianapolis
Cincinnati
Louisville
Nashville
Knoxville
Burlington
Portland
Boston
New Haven
Albany
Oswego
Toronto
Alpena
Saginaw
Port Huron
Milwaukee
Chicago
Cairo
Memphis
Vicksburg
Montgomery
Mobile
Galveston
Brownsville
Indianola
Key West
Havana
Santiago de Cuba
ST DOMINGO

WASHINGTON, D. C.,
TUESDAY, *April* 22, 1873—11 *p. m.*

SYNOPSIS.

The area of low barometer, that was Monday night central in Missouri, is now apparently over Kentucky and North Carolina. Southerly winds continue in the South Atlantic States. Northeasterly winds in New England. The pressure has risen decidedly in the Northwest, with cold northerly winds and clear weather. It has fallen on the Western Gulf coast, and risen in the interior of the Southwest, with northerly winds. Northeast winds, cloudy and threatening weather, are reported from the Middle Atlantic States, and with rain in the Ohio Valley. Snow has been generally reported from Lake Erie and Western Pennsylvania. The temperature has fallen over the Missouri and Ohio Valleys, Lake Erie, and the Upper Lakes, so far as heard from. It has risen somewhat in the Southern States.

PROBABILITIES.

The area of lowest barometer extend on Wednesday eastward over the South Atlantic States. For the Eastern Gulf States, southerly winds, cloudy and threatening weather. For the South Atlantic coast, easterly winds, cloud, and possibly rain. For the Middle States and Lower Lakes, northeast winds, cloudy and threatening weather, clearing away by Wednesday evening in Michigan and Lake Erie. For the Upper Lakes, continued northerly winds and clear weather. For New England, northerly winds and increasing cloudiness.

Cautionary signals continue during Tuesday night at Chicago, Milwaukee, Grand Haven, Detroit, Toledo, Cleveland, Buffalo, Rochester, Oswego, Savannah, Charleston, Wilmington, Norfolk, Cape May, and Baltimore.

FACTS—7.35 A. M., (*following the above "Probabilities."*)

WIND AND WEATHER.

(1.) *Clear.*—At Punta Rassa, wind SE., light; Burlington, wind NW., light; New Orleans, wind S., light; Portland, Me., wind W., gentle; Saugeen, wind NE., gentle; Davenport and Grand Haven, wind NE., fresh; Toronto, wind N., fresh; Charleston, wind W., fresh; Jacksonville and Wilmington, wind SW., fresh; Kingston, wind NW., fresh.

(2.) *Fair.*—At Augusta, Mobile, and San Francisco, calm; Montgomery, wind S., light; Lake City, wind SW., gentle; Key West and Buffalo, wind NE., gentle; Stanley, wind N., gentle; Eastport, Boston, Montreal, Oswego, New London, and Nashville, wind NW., fresh; Detroit, Lynchburg, La Crosse, Cheyenne, and Toledo, wind NE., fresh; Knoxville and Savannah, wind SW., fresh; Keokuk, Omaha, Dover, Rochester, and Saint Paul, wind N., fresh; Alpena, wind NW., fresh; Chicago, wind N., brisk.

(3.) *Cloudy.*—At Galveston, calm; Quebec, wind W., gentle; Baltimore, Cape May, Duluth, Breckenridge, Marquette, Milwaukee, and Washington, wind N., fresh; Cleveland, Norfolk, and Pembina, wind NE., fresh; Shreveport, wind NW., fresh; Corinne, Escanaba, and Memphis, wind N., brisk; Saint Louis, wind NE., brisk.

(4.) *Rainy.*—At Louisville, wind NE., brisk.

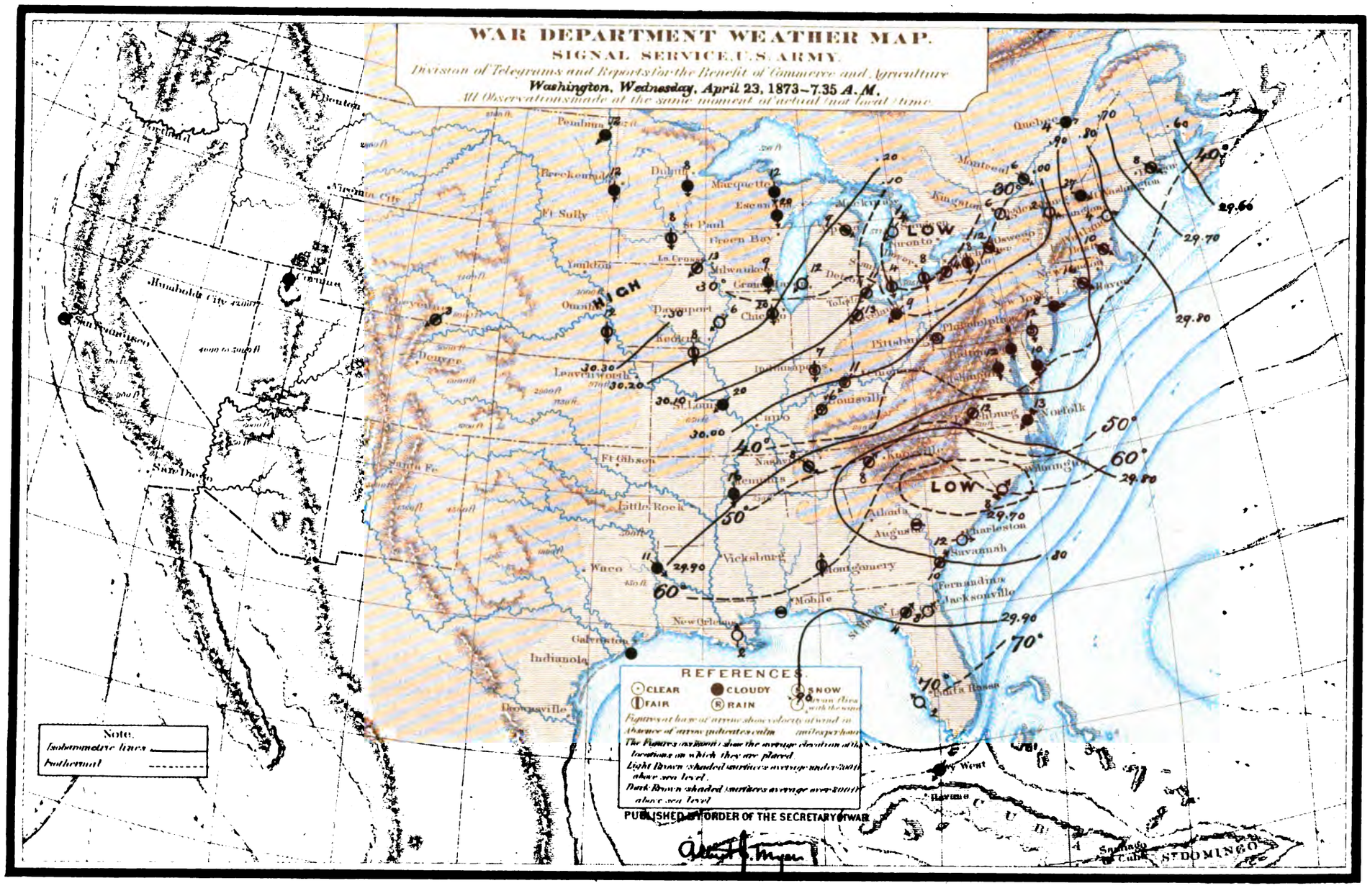
(5.) *Snowy.*—At Pittsburgh, calm; Cincinnati, wind NE., fresh; Indianapolis and Philadelphia, wind N., fresh.

GENERAL REMARKS AS TO VERIFICATIONS.

The above "Probabilities" were generally verified, except "for the Eastern Gulf States, cloudy and threatening weather," "for the South Atlantic coast, easterly winds, cloud, and possibly rain," and "for the Upper Lakes, clear weather," partly verified; "for New England, increasing cloudiness," and "cautionary signals at Detroit, Toledo, Cleveland, Buffalo, Rochester, Oswego, Savannah, and Charleston," not verified.

METEOROLOGICAL RECORD, APRIL 23, 1873—7.35 A. M.

Place of observation.	Barometer.	Thermometer.	Relative humidity, per cent.	Wind.		Clouds.			Rain-fall in last 8 hours.	State of the weather.
				Direction.	Velocity.	Amount of lower.	Amount of upper.	Direction of upper.		
Alpena, Mich	29.99	30	73	N. W.	9	1-4	0			Fair.
Augusta, Ga	29.79	70	48	Calm.	0	Smoky	0			Fair.
Baltimore, Md	29.94	40	73	N.	8	4-4			.06	Threatening.
Boston, Mass	29.80	42	34	N. W.	10	Hazy	1-4	N. W.		Fair.
Breckenridge, Minn	30.42	25	77	N.	12	4-4				Cloudy.
Buffalo, N. Y	29.97	33	61	N. E.	4	0	2-4			Fair.
Burlington, Vt	29.88	33	60	N. W.	2	0	0			Clear.
*Cairo, Ill	29.88	43	70	N. E.	6	4-4				Cloudy.
Cape May, N. J	29.88	40	81	N.	10	4-4				Threatening.
Charleston, S. C	29.79	67	59	W.	12	Hazy	0			Clear.
Cheyenne, Wyo	30.09	13	81	N. E.	8	1-4	0		.02	Fair.
Chicago, Ill	30.11	34	52	N.	20	0	2-4	W.		Fair.
Cincinnati, Ohio	29.93	47	77	N. E.	11	4-4				Sleet.
Cleveland, Ohio	29.98	34	62	N. E.	9	4-4				Cloudy.
Corinne, Utah	29.94	33	80	N.	16	4-4				Threatening.
Davenport, Iowa	30.26	33	61	N. E.	6	Hazy	0			Clear.
*Denver, Colo	30.17	18	84	N. E.	4	4-4			.18	Light snow.
Detroit, Mich	30.01	30	78	N. E.	11	Smoky	2-4	N. E.		Fair.
Duluth, Minn	30.34	31	58	N.	8	4-4				Cloudy.
Eastport, Me	29.59	41	57	N. W.	8	0	1-4			Fair.
Escanaba, Mich		32	79	N.	20	4-4				Cloudy.
*Fort Benton, Mont	30.56	19	85	W.	6	0	4-4	E.		Cloudy.
Fort Garry, Manitoba	30.41	38	77	N.	10	0	4-4	N. E.		Cloudy.
*Fort Gibson, Ind. T	30.13	41	65	N. W.	16	4-4				Cloudy.
*Fort Sully, Dak	30.54	25	75	N. W.	7	4-4				Cloudy.
Galveston, Tex	29.85	69	90	Calm.	0	2-4	2-4			Threatening.
Grand Haven, Mich	30.10	32	69	N. E.	12	0	0			Clear.
Indianapolis, Ind	29.98	32	89	N.	7	4-4			.55	Heavy snow.
*Indianola, Tex	29.88	68	89	N. E.	2	4-4				Cloudy.
Jacksonville, Fla	29.90	67	78	S. W.	8	0	0			Clear.
Keokuk, Iowa	30.14	35	70	N.	8	Hazy	2-4	N.		Fair.
Key West, Fla	29.93	73	71	N. E.	5	0	1-4			Fair.
Kingston, Canada	30.01	33	61	N. W.	6	0	0			Clear.
Knoxville, Tenn	29.69	67	41	S. W.	8	Hazy	2-4			Fair.
La Crosse, Wis	30.29	29	69	N. E.	13	0	1-4	N. E.		Fair.
Lake City, Fla	29.90	64	94	S. W.	4	2-4	0			Fair.
*Leavenworth, Kans	30.17	35	70	N.	12	2-4	2-4	N. E.		Cloudy.
Louisville, Ky	29.92	36	80	N. E.	16	4-4			.07	Light rain.
Lynchburg, Va	29.83	45	61	N. E.	12	1-4	2-4	W.		Fair.
Marquette, Mich	30.22	28	77	N.	12	4-4				Cloudy.
Memphis, Tenn	29.87	50	64	N.	16	4-4				Cloudy.
Milwaukee, Wis	30.13	30	78	N.	9	4-4	2-4	N.		Cloudy.
Mobile, Ala	29.93	66	84	Calm.	0	1-4	2-4	W.		Fair.
Montgomery, Ala	29.86	67	74	S.	1	Smoky	2-4	S. W.		Fair.
Montreal, Canada	29.85	35	69	N. W.	6	0	2-4	N. W.		Fair.
Mount Washington, N. H	29.61	18	68	N. W.	37	4-4				Cloudy.
Nashville, Tenn	29.77	51	59	N. W.	8	Hazy	Hazy			Fair.
New London, Conn	29.84	40	82	N. W.	12	0	3-4	N. W.		Clearing.
New Orleans, La	29.87	63	83	S.	2	Fog	0			Clear.
New York, N. Y	29.89	40	77	W.	8	4-4			.10	Cloudy.
Norfolk, Va	29.84	48	84	N. E.	13	4-4				Cloudy.
Omaha, Nebr	30.30	34	71	N.	12	0	2-4	N. W.		Fair.
Oswego, N. Y	29.99	31	68	N. W.	12	0	2-4	N. W.		Fair.
Pembina, Dak	30.48	24	93	N. E.	12	4-4				Cloudy.
Philadelphia, Pa	29.98	37	80	N.	12	4-4			.02	Sleet.
Pittsburgh, Pa	29.97	32	90	Calm.	0	4-4				Heavy snow.
Port Dover, Canada	30.05	29	66	N.	8	0	2-4	W.		Fair.
Port Stanley, Canada	30.01	30	72	N.	4	0	Hazy			Fair.
Portland, Me	29.72	40	39	W.	4	0	0			Clear.
*Portland, Oreg	30.35	44	83	N. E.	3	4-4				Cloudy.
Punta Rassa, Fla	29.96	71	80	S. E.	2	0	0			Clear.
Quebec, Canada	29.67	35	80	W.	4	4-4				Cloudy.
Rochester, N. Y	29.99	32	59	N.	8	1-4	0			Fair.
*San Diego, Cal	29.86	55	93	N. E.	1	3-4				Cloudy.
San Francisco, Cal	30.02	51	72	Calm.	0	1-4	0			Fair.
*Santa Fé, N. Mex	29.66	32	26	S. E.	12	0	1-4			Fair.
Saugeen, Canada	29.96	29	66	N. E.	4	0	0			Clear.
Savannah, Ga	29.84	67	64	S. W.	10	Smoky	0			Fair.
Shreveport, La	29.86	59	54	N. W.	11	4-4				Cloudy.
Saint Louis, Mo	29.99	34	89	N. E.	20	4-4			.12	Threatening.
Saint Paul, Minn	30.31	28	77	N.	8	0	2-4			Fair.
Toledo, Ohio	30.02	32	79	N. E.	12	1-4	2-4	W.		Fair.
Toronto, Canada	30.05	31	79	N.	14	0	0			Clear.
*Vicksburg, Miss	29.86	66	83	S. W.	4	4-4				Cloudy.
Virginia City, Mont										
Washington, D. C	29.93	40	73	N.	12	4-4				Threatening.
Wilmington, N. C	29.73	66	73	S. W.	8	0	Hazy			Clear.
*Yankton, Dak	30.40	26	92	N. W.	8	1-4	0		.02	Clearing.


WAR DEPARTMENT WEATHER MAP.
SIGNAL SERVICE, U.S. ARMY.
Division of Telegrams and Reports for the Benefit of Commerce and Agriculture
Washington, Wednesday, April 23, 1873—7.35 A.M.
All Observations made at the same moment of actual (not local) time.
HIGH
LOW
LOW
REFERENCES.
CLEAR
CLOUDY
SNOW
FAIR
RAIN
Note.
Isobarometric lines
Isothermal
PUBLISHED BY ORDER OF THE SECRETARY OF WAR.

WASHINGTON, D. C.,
WEDNESDAY, *April* 23, 1873—7.35 *a. m.*

SYNOPSIS.

The area of lowest barometer, that was Tuesday morning in the Lower Ohio Valley, is now central in North Carolina, the barometric disturbance having somewhat diminished during the night. The pressure has risen decidedly throughout the Lake region and the Missouri Valley, and is highest in the extreme Northwest, where clear, cold weather has prevailed, with northerly winds. The area of warm southwest winds is now confined to the South Atlantic and Eastern Gulf States. Cold northeasterly winds, with threatening weather and snow, prevail from Illinois and Tennessee eastward to Virginia and New York. Northwest winds, with partly cloudy weather, prevail in New England. The barometer has risen in Southern Florida, with light winds.

PROBABILITIES.

The area of lowest barometer advance during the rest of Wednesday eastward over Cape Hatteras. For the South Atlantic States, south and west winds and partly cloudy weather. For the Gulf States, winds veer to northwest, with falling temperature, and for the Western Gulf coast, light rain, accompanying brisk northerly winds. For the Ohio Valley and Upper Lakes, rising barometer, northerly winds, and clearing weather. For the Lower Lakes and Middle States, northerly winds, with threatening weather and light rain or snow. For New England, rising barometer, northwesterly winds, and cloudy weather.

Cautionary signals continue at Wilmington and Norfolk.

FACTS—4.35 P. M., (*following the above "Probabilities."*)

WIND AND WEATHER.

(1.) *Clear.*—At Montreal, wind W., fresh; Rochester, wind N., fresh; San Diego, wind SW., fresh; Lake City and Charleston, wind SW., brisk; Grand Haven, wind NW., brisk.

(2.) *Fair.*—At Key West, Indianapolis, and Stanley, wind SW., gentle; Dover, wind S., gentle; Cleveland and Buffalo, wind NE., gentle; Boston and New London, wind N., fresh; Oswego and Portland, Me., wind NW., fresh; Augusta, Jacksonville, Savannah, and New Orleans, wind SW., fresh; Davenport, wind NE., fresh; Galveston and Marquette, wind N., fresh; San Francisco and Punta Rassa, wind W., fresh; Chicago, wind N., brisk; Detroit, wind E., brisk; Santa Fé, wind SE., brisk.

(3.) *Cloudy.*—At Cheyenne and Duluth, wind NE., gentle; Toronto and New York, wind SW., gentle; Quebec, wind W., gentle; Cape May, wind E., gentle; Alpena, Burlington, Escanaba, Cincinnati, Saugeen, Breckenridge, La Crosse, Saint Paul, Nashville, Memphis, Knoxville, Vicksburg, and Fort Gibson, wind N., fresh; Kingston, wind SW., fresh; Eastport and Shreveport, wind NW., fresh; Cairo, Lynchburg, Keokuk, Leavenworth, Milwaukee, and Norfolk, wind NE., fresh; Corinne and Pittsburgh, wind E., fresh; Montgomery, wind SW., fresh; Wilmington, wind E., fresh; Omaha, Indianola, Saint Louis, and Louisville, wind N., fresh; Pembina, wind NW., fresh.

(4.) *Rainy.*—At Baltimore and Philadelphia, wind NW., fresh; Washington, wind N., fresh.

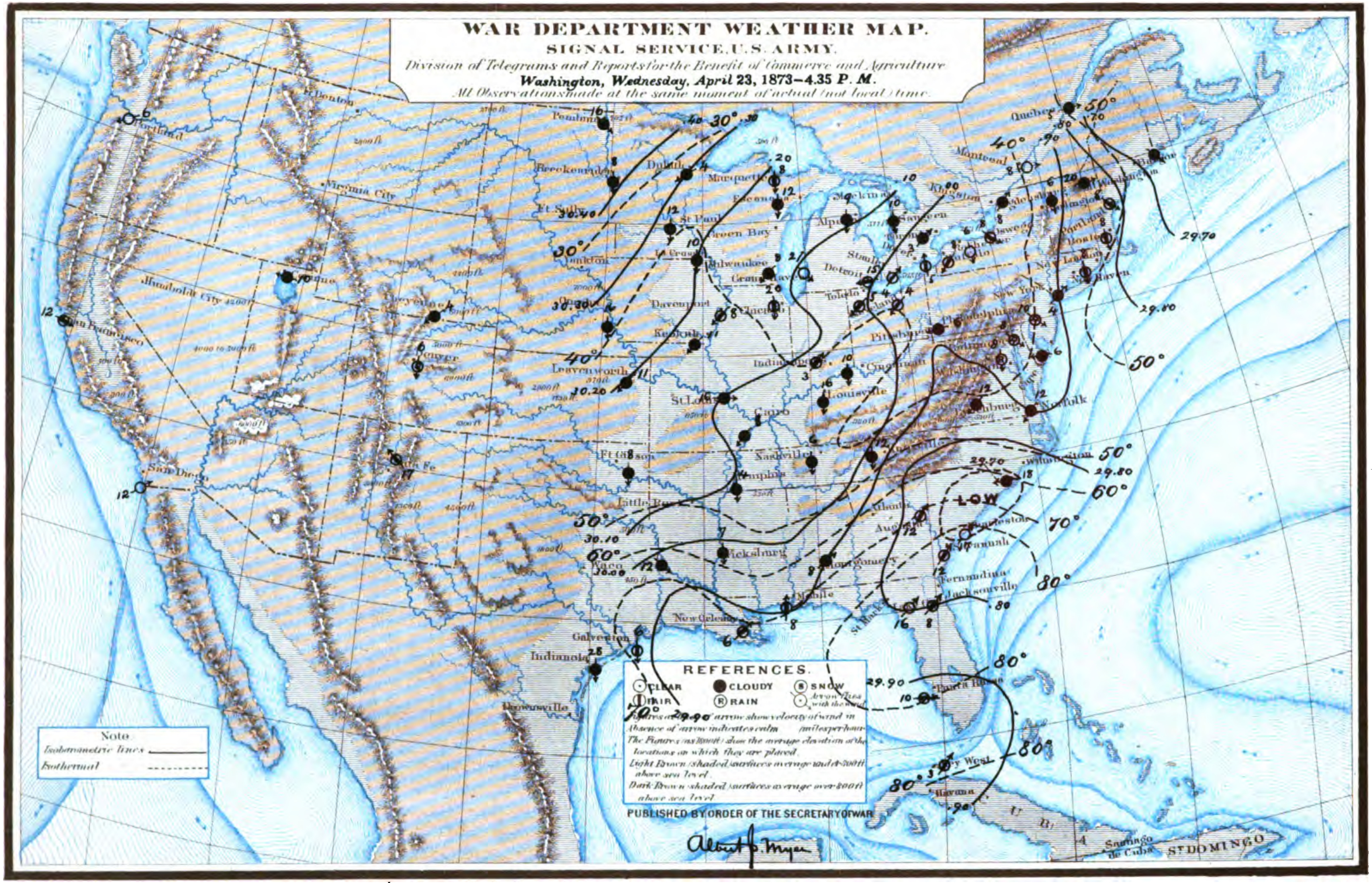
(5.) *Snowy.*—At Denver, wind N., fresh.

GENERAL REMARKS AS TO VERIFICATIONS.

The above "Probabilities" were generally verified, except "for New England, cloudy weather," partly verified; "for the Lower Lakes, threatening weather and light rain or snow," not verified.

METEOROLOGICAL RECORD, APRIL 23, 1873—4.35 P. M.

Place of observation.	Barometer.	Thermometer.	Relative humidity, per cent.	Wind.		Clouds.			Rain-fall in last 8 hours.	State of the weather.
				Direction.	Velocity.	Amount of lower.	Amount of upper.	Direction of upper.		
Alpena, Mich	30.09	38	54	N.	9	4-4	.....	.....	.....	Cloudy.
Augusta, Ga	29.70	84	20	S. W.	12	0	2-4	S. W.	.....	Fair.
Baltimore, Md	29.95	42	71	N. W.	8	4-4	.....	.....	.11	Light rain.
Boston, Mass	29.75	55	66	N.	8	Hazy..	2-4	N. W.	.....	Fair.
Breckenridge, Minn	30.34	31	84	N.	8	4-4	.....	.....	.....	Cloudy.
Buffalo, N. Y	29.91	43	48	N. E.	8	0	2-4	N. E.	.....	Fair.
Burlington, Vt	29.85	45	37	N.	6	0	4-4	N.	.....	Cloudy.
Cairo, Ill	30.09	43	63	N. E.	8	2-4	2-4	W.	.....	Cloudy.
Cape May, N. J	29.89	46	69	E.	6	4-4	.....	.....	.....	Cloudy.
Charleston, S. C	29.72	81	76	S. W.	17	Hazy..	1-4	S. W.	.....	Clear.
Cheyenne, Wyo	30.12	21	71	N. E.	4	4-4	.....	.....	.....	Cloudy.
Chicago, Ill	30.14	35	62	N.	20	0	2-4	N.	.....	Fair.
Cincinnati, Ohio	30.04	40	65	N.	10	4-4	.....	.....	.14	Cloudy.
Cleveland, Ohio	29.99	40	55	N. E.	4	0	2-4	W.	.....	Fair.
Corinne, Utah	30.05	43	27	E.	10	4-4	.....	.....	.....	Cloudy.
Davenport, Iowa	30.12	46	39	N. E.	8	Hazy..	2-4	N. W.	.....	Fair.
Denver, Colo	30.22	21	85	N.	6	4-4	.....	.....	.06	Heavy snow.
Detroit, Mich	29.97	40	48	E.	15	0	2-4	N. W.	.....	Fair.
Duluth, Minn	30.23	36	20	N. E.	4	4-4	.....	.....	.....	Cloudy.
Eastport, Me	29.58	49	64	N. W.	10	0	4-4	N. W.	.....	Cloudy.
Escanaba, Mich	.....	37	53	N.	12	4-4	.....	.....	.....	Cloudy.
*Fort Benton, Mont	30.55	33	70	N. W.	7	2-4	2-4	N. W.	.....	Cloudy.
Fort Garry, Manitoba	30.35	28	70	N. E.	10	4-4	.....	.....	.....	Fair.
Fort Gibson, Ind. T	30.17	48	49	N.	8	4-4	.....	.....	.....	Cloudy.
*Fort Sully, Dak	30.47	36	34	W.N.W	7	4-4	.....	.....	.....	Cloudy.
Galveston, Tex	29.88	71	67	N.	6	0	2-4	W.	.....	Clearing.
Grand Haven, Mich	30.01	36	70	N. W.	27	0	0	.....	.....	Clear.
Indianapolis, Ind	30.01	47	41	S. W.	3	Hazy..	2-4	N.	.01	Fair.
Indianola, Tex	29.95	63	55	N.	28	4-4	.....	.....	.....	Cloudy.
Jacksonville, Fla	29.83	83	36	S. W.	8	0	1-4	S. W.	.....	Fair.
Keokuk, Iowa	30.13	46	40	N. E.	11	1-4	2-4	N. W.	.....	Cloudy.
Key West, Fla	29.91	83	49	S. W.	3	Hazy..	0	.....	.....	Fair.
Kingston, Canada	29.97	38	75	S. W.	8	0	4-4	.....	.....	Cloudy.
Knoxville, Tenn	29.79	58	62	N.	12	4-4	.....	.....	.....	Threatening.
La Crosse, Wis	30.19	39	46	N.	10	3-4	1-4	N. E.	.....	Cloudy.
Lake City, Fla	29.83	81	26	S. W.	16	0	0	.....	.....	Clear.
Leavenworth, Kans	30.14	48	23	N. E.	11	4-4	.....	.....	.....	Cloudy.
Louisville, Ky	30.11	38	63	N.	16	4-4	.....	.....	.....	Cloudy.
Lynchburg, Va	29.83	46	77	N. E.	12	4-4	.....	.....	.....	Cloudy.
Marquette, Mich	30.17	.....	70	N.	8	1-4	1-4	.....	.....	Fair.
Memphis, Tenn	30.07	45	60	N.	4	4-4	.....	.....	.....	Cloudy.
Milwaukee, Wis	30.09	34	76	N. E.	8	Smoky	4-4	N. W.	.....	Cloudy.
Mobile, Ala	29.87	80	55	S.	8	0	1-4	N. W.	.....	Fair.
Montgomery, Ala	29.83	78	42	S. W.	8	2-4	1-4	.....	.....	Cloudy.
Montreal, Canada	29.86	49	50	W.	8	0	1-4	.....	.....	Clear.
Mount Washington, N. H	29.73	20	85	W.	20	4-4	.....	.....	.....	Cloudy.
Nashville, Tenn	30.01	44	60	N.	6	4-4	.....	.....	.02	Cloudy.
New London, Conn	29.78	52	23	N.	8	2-4	Hazy..	.....	.....	Fair.
New Orleans, La	29.85	77	52	S. W.	6	0	2-4	W.	.....	Fair.
New York, N. Y	29.84	50	38	S. W.	4	4-4	.....	.....	.....	Cloudy.
Norfolk, Va	29.89	47	76	N. E.	12	0	4-4	N. E.	.....	Cloudy.
Omaha, Nebr	30.24	44	30	N.	16	4-4	.....	.....	.....	Cloudy.
Oswego, N. Y	29.93	40	60	N. W.	8	1-4	Hazy..	.....	.....	Fair.
Pembina, Dak	30.41	27	88	N. W.	16	4-4	.....	.....	.....	Cloudy.
Philadelphia, Pa	29.90	41	70	N. W.	10	4-4	.....	.....	.03	Light rain.
Pittsburgh, Pa	29.95	38	63	E.	6	4-4	.....	.....	.09	Threatening.
Port Dover, Canada	29.99	38	54	S.	5	0	2-4	W.	.....	Fair.
Port Stanley, Canada	30.00	36	87	S. W.	4	0	2-4	N. E.	.....	Fair.
Portland, Me	29.70	53	32	N. W.	8	0	Hazy..	.....	.....	Fair.
Portland, Oreg	30.28	60	44	N. E.	6	0	1-4	.....	.....	Clear.
Punta Rassa, Fla	29.94	75	68	W.	10	0	2-4	W.	.....	Fair.
Quebec, Canada	29.64	50	58	W.	5	1-4	2-4	N. E.	.....	Cloudy.
Rochester, N. Y	29.94	43	50	N.	6	0	0	.....	.....	Clear.
San Diego, Cal	29.86	64	73	S. W.	12	Hazy..	Hazy..	.....	.....	Clear.
San Francisco, Cal	29.95	60	54	W.	12	1-4	Hazy..	.....	.....	Fair.
Santa Fé, N. Mex	29.63	39	27	S. E.	17	1-4	1-4	S. W.	.....	Fair.
Saugeen, Canada	29.93	36	71	N.	10	1-4	3-4	N.	.....	Cloudy.
Savannah, Ga	29.75	85	18	S. W.	12	Smoky	1-4	.....	.....	Fair.
Shreveport, La	29.90	74	39	N. W.	12	Smoky	4-4	W.	.....	Cloudy.
Saint Louis, Mo	30.07	47	34	N.	16	2-4	2-4	N.	.....	Cloudy.
Saint Paul, Minn	30.17	40	48	N.	12	0	4-4	.....	.....	Cloudy.
Toledo, Ohio	30.00	42	49	N. E.	5	1-4	2-4	S. W.	.....	Fair.
Toronto, Canada	29.98	39	71	S. W.	3	0	4-4	N.	.....	Cloudy.
Vicksburg, Miss	29.94	60	64	N.	7	4-4	.....	.....	.07	Cloudy.
Virginia City, Mont	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Washington, D. C	29.93	40	82	N.	8	4-4	.....	.....	.07	Light rain.
Wilmington, N. C	29.72	65	73	E.	18	4-4	Hazy..	.....	.....	Cloudy.
*Yankton, Dak	30.35	38	79	N.	19	2-4	2-4	N.	.....	Cloudy.


WAR DEPARTMENT WEATHER MAP.
SIGNAL SERVICE, U.S. ARMY.
Division of Telegrams and Reports for the Benefit of Commerce and Agriculture
Washington, Wednesday, April 23, 1873–4.35 P. M.
All Observations made at the same moment of actual (not local) time.
REFERENCES.
CLEAR
FAIR
CLOUDY
RAIN
SNOW
Figures at ... arrow show velocity of wind in miles per hour.
Absence of arrow indicates calm
The Figures (as 2000ft) show the average elevation of the locations on which they are placed.
Light Brown shaded surfaces average under 2000 ft above sea level.
Dark Brown shaded surfaces average over 2000 ft above sea level.
PUBLISHED BY ORDER OF THE SECRETARY OF WAR
Albert J. Myer
Note.
Isobarometric lines
Isothermal
LOW
ST DOMINGO

WASHINGTON, D. C.,
WEDNESDAY, *April* 23, 1873—4.35 *p. m.*

SYNOPSIS.

The area of lowest barometer has moved since Tuesday afternoon from Kentucky into North and South Carolina. The area of warm southwest winds is now confined to Northern Florida and Georgia. Brisk easterly winds are reported from the North Carolina coast, and cold north and east winds, with light rain or snow, have prevailed over the Ohio Valley, Virginia, and Pennsylvania. The barometer has risen very generally over the entire country from the Middle and East Atlantic coast westward to the Rocky Mountains; it is highest in Dakota. Brisk and high northerly winds have extended from Indian Territory southward to the Texas coast. North and northeast winds, occasionally increasing to brisk, prevail over the Lake region generally, with cloudy or partly cloudy weather. The barometer has fallen decidedly in California, with fresh westerly winds and hazy weather. The rivers have fallen at Cairo, Saint Louis, Little Rock, Evansville, and Cincinnati.

PROBABILITIES.

The area of lowest barometer continue moving slowly eastward beyond the Carolina coast. For Thursday in the South Atlantic States, falling temperature and winds veer to northwest, with cloudy weather. For the Gulf States, north and northwest winds, increasing to brisk on the Western Gulf coast, with generally cloudy weather and lower temperature. For the Middle and Eastern States, rising barometer, north and northwest winds, and generally cloudy weather. For the Lake region, rising barometer, diminishing northerly winds, and cloudy weather, with slightly higher temperature.

Cautionary signals continue at Wilmington and Norfolk.

FACTS—11 P. M., (*following the above "Probabilities."*)

WIND AND WEATHER.

(1.) *Clear.*—At Mobile and Pembina, calm; Cincinnati, wind NW., light; Boston, wind NW., gentle; Cleveland, wind N., gentle; Louisville, wind SE., gentle; Portland, Oreg., wind NE., gentle; Montgomery, wind W., gentle; Charleston, New Orleans, and Savannah, wind SW., fresh; Omaha, Marquette, and Indianapolis, wind NW., fresh; New London, wind N., fresh; Corinne, wind E., brisk.

(2.) *Fair.*—At Dover and Cheyenne, calm; New York, wind W., light; Pittsburgh, wind NW., light; Norfolk, wind NE., light; Augusta and Montreal, wind W., gentle; Detroit, wind NE., gentle; Stanley, wind NW., gentle; Keokuk, wind NW., fresh; Toledo, Memphis, and Leavenworth, wind N., fresh; San Francisco, wind W., brisk.

(3.) *Cloudy.*—At Buffalo, Quebec, and Oswego, calm; Cairo and Davenport, wind NE., light; Burlington, wind NW., light; Kingston and Escanaba, wind N., gentle; Baltimore, Rochester, Philadelphia, and Washington, wind NW., gentle; Milwaukee, wind NE., gentle; San Diego, wind S., gentle; Chicago, Nashville, Saint Louis, Saint Paul, and Toronto, wind N., fresh; Yankton, wind NE., fresh; Wilmington, wind E., fresh; Shreveport, wind NE., brisk; Breckenridge, wind N., brisk.

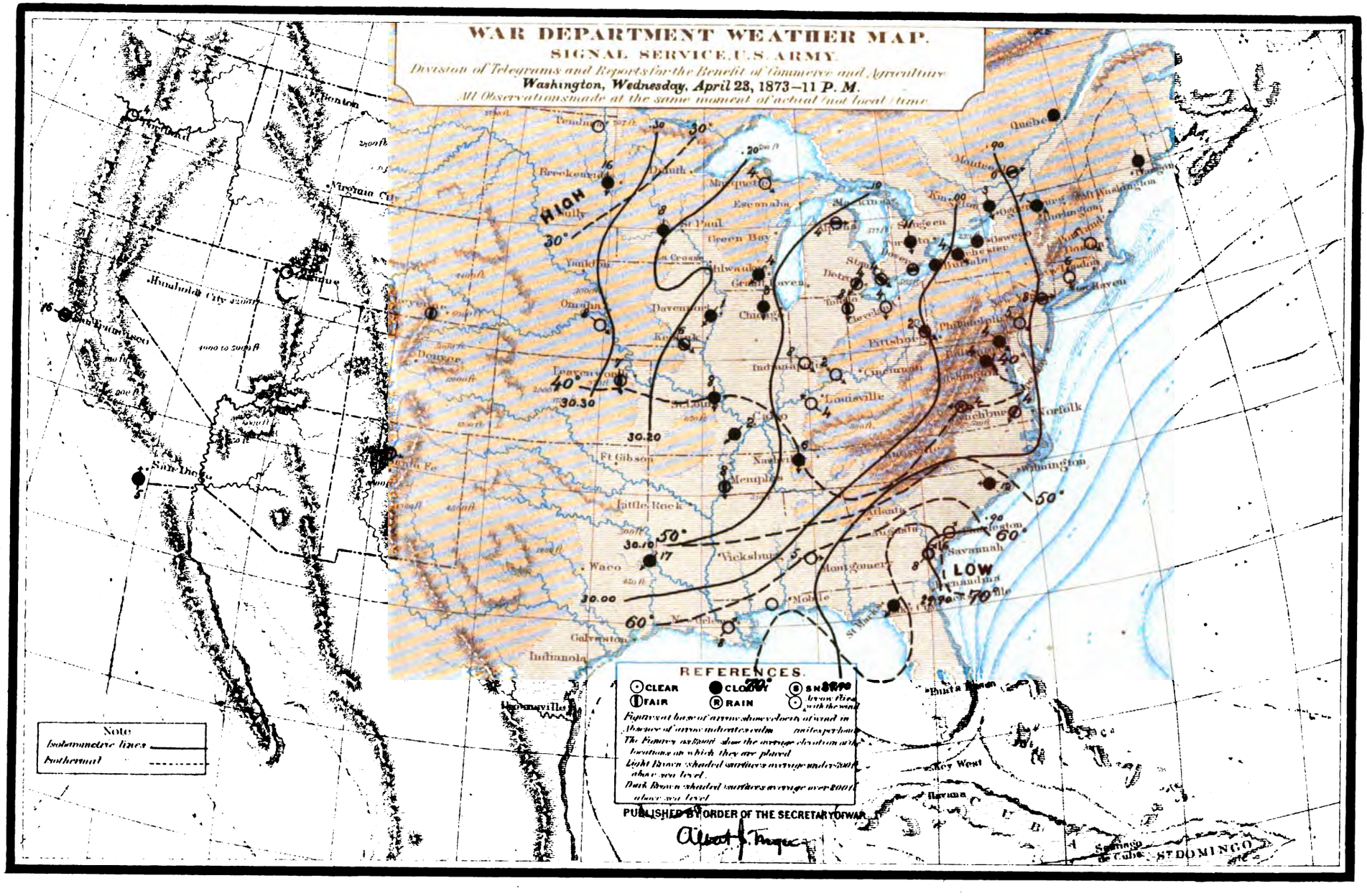
(4.) *Rainy.*—At Lynchburg, wind E., gentle.

GENERAL REMARKS AS TO VERIFICATIONS.

The above "Probabilities" were generally verified, except "for the Middle and Eastern States," and "for the Lake region, rising barometer," not verified.

METEOROLOGICAL RECORD, APRIL 23, 1873—11 P. M.

Place of observation.	Barometer.	Thermometer.	Relative humidity, per cent.	Wind.		Clouds.			Rain-fall in last 8 hours.	State of the weather.
				Direction.	Velocity.	Amount of lower.	Amount of upper.	Direction of upper.		
*Alpena, Mich	30.10	37	62	Calm.	0	4-4				Cloudy.
Augusta, Ga	29.81	73	50	W.	4	0	2-4			Fair.
Baltimore, Md	29.95	42	70	N. W.	4	4-4	1-4			Cloudy.
Boston, Mass	29.84	42	50	N. W.	5	0	0			Clear.
Breckenridge, Minn	30.34	26	81	N.	16	4-4				Cloudy.
Buffalo, N. Y	29.94	38	72	Calm.	0	4-4				Cloudy.
Burlington, Vt	29.88	42	49	N. W.	1	4-4				Threatening.
Cairo, Ill	30.13	44	52	N. E.	2	4-4				Cloudy.
*Cape May, N. J	29.91	41	82	N.	4	4-4			.02	Threatening.
Charleston, S. C	29.78	68	74	S. W.	8	1-4	0			Clear.
Cheyenne, Wyo	30.15	16	66	Calm.	0	1-4			.01	Fair.
Chicago, Ill	30.15	36	61	N.	8	0	4-4			Cloudy.
Cincinnati, Ohio	30.10	40	73	N. W.	2	0	0			Clear.
Cleveland, Ohio	30.02	37	63	N.	4	0	0			Clear.
Corinne, Utah	30.04	35	36	E.	22	0	0			Clear.
Davenport, Iowa	30.16	41	65	N. E.	1	4-4				Threatening.
*Denver, Colo	30.26	20	85	N. W.	2	4-4			.03	Cloudy.
Detroit, Mich	30.04	31	79	N. E.	4	1-4				Fair.
*Duluth, Minn	30.23	32	79	Calm.	0	4-4				Cloudy.
*Eastport, Me	29.69	42	74	N. W.	4	0	3-4			Fair.
Escanaba, Mich		33	70	N.	4	4-4				Cloudy.
*Fort Benton, Mont	30.52	29	67	S. W.	6	4-4				Cloudy.
Fort Garry, Manitoba	30.29	28		N.	6	0	0			Clear.
*Fort Gibson, Ind. T	30.28	43	75	N. W.	2	1-4	2-4	S. W.		Fair.
*Fort Sully, Dak	30.45	32	65	N.	7	4-4	Hazy			Cloudy.
*Galveston, Tex	29.99	69	56	N.	14	3-4	0			Cloudy.
*Grand Haven, Mich	30.06	34	70	N. E.	16	4-4				Cloudy.
Indianapolis, Ind	30.06	37	71	N. W.	8	0	0			Clear.
*Indianola, Tex	30.04	66	54	N.	25	4-4				Cloudy.
*Jacksonville, Fla	29.91	70	66	S. W.	8	0	0			Clear.
Keokuk, Iowa	30.18	40	56	N. W.	6	Hazy	Hazy			Fair.
*Key West, Fla	29.97	74	72	N.	2	0	1-4			Fair.
Kingston, Canada	29.99	41	78	N.	3	4-4				Cloudy.
*Knoxville, Tenn	30.02	40	76	N. W.	10	4-4				Misting.
La Crosse, Wis	30.22	35	67	N. E.	11	4-4				Cloudy.
*Lake City, Fla	29.90	65	90	S. W.	8	0	0			Clear.
Leavenworth, Kans	30.24	42	43	N.	7	0	Hazy			Fair.
Louisville, Ky	30.07	39	73	S. E.	4	Smoky	0			Clear.
Lynchburg, Va	29.93	42	87	E.	4	4-4			.12	Light rain.
Marquette, Mich	30.15	28	77	N. W.	8	0	0			Clear.
Memphis, Tenn	30.14	41	65	N.	8	1-4	0			Fair.
Milwaukee, Wis	30.10	34	79	N. E.	4	4-4				Cloudy.
Mobile, Ala	29.94	71	80	Calm.	0	0	0			Clear.
Montgomery, Ala	29.90	77	78	W.	5	0	0			Clear.
Montreal, Canada	29.90	42	66	W.	6	0	2-4	W.		Fair.
*Mount Washington, N. H	29.81	20	85	W.	24	4-4				Cloudy.
Nashville, Tenn	30.09	40	65	N.	6	4-4				Cloudy.
New London, Conn	29.86	42	50	N.	6	0	0			Clear.
New Orleans, La	29.91	69	70	S. W.	8	0	0			Clear.
New York, N. Y	29.89	46	54	W.	2	2-4	1-4			Fair.
Norfolk, Va	29.92	46	84	N. E.	4	3-4	0			Clearing.
Omaha, Nebr	30.33	37	48	N. W.	8	0	0			Clear.
Oswego, N. Y	29.97	38	71	Calm.	0	4-4				Cloudy.
Pembina, Dak	30.36		78	Calm.	0	0	0			Clear.
Philadelphia, Pa	29.91	40	73	N. W.	5	4-4			.01	Cloudy.
Pittsburgh, Pa	30.00	38	63	N. W.	2	Fog	0			Fair.
Port Dover, Canada	30.03	35	70	Calm.	0	0	2-4	N. W.		Fair.
Port Stanley, Canada	30.03	32	88	N. W.	4	0	2-4	N. W.		Fair.
*Portland, Me	29.77	38	54	W.	6	0	0			Clear.
Portland, Oreg	30.27	55	39	N. E.	4	0	2-4			Clear.
*Punta Rassa, Fla	29.98	71	85	N. W.	2	1-4	0			Fair.
Quebec, Canada	29.73	42	66	Calm.	0	4-4				Cloudy.
Rochester, N. Y	29.97	39	67	N. W.	4	4-4				Cloudy.
San Diego, Cal	29.87	60	88	S.	5	2-4				Cloudy.
San Francisco, Cal	29.92	53	73	W.	16	1-4				Fair.
Santa Fé, N. Mex	29.76	29	79	W.	10	2-4	Hazy	S. W.		Light rain.
*Saugeen, Canada	30.06	34	89	N.	2	4-4				Cloudy.
Savannah, Ga	29.82	70	58	S. W.	8	0	0			Clear.
Shreveport, La	30.03	58	53	N. E.	17	4-4				Cloudy.
Saint Louis, Mo	30.14	43	50	N.	8	4-4				Cloudy.
Saint Paul, Minn	30.18	35	54	N.	8	4-4				Cloudy.
Toledo, Ohio	30.04	36	70	N.	8	2-4	0			Fair.
Toronto, Canada	30.01	36	79	N.	11	4-4				Cloudy.
*Vicksburg, Miss	30.06	54	73	N. E.	6	0	0			Cloudy.
Virginia City, Mont										
Washington, D. C	29.97	38	81	N. W.	4	4-4			.07	Cloudy.
Wilmington, N. C	29.84	54	77	E.	12	4-4				Cloudy.
*Yankton, Dak	30.38	30	92	N. W.	6	0	0			Clear.


WAR DEPARTMENT WEATHER MAP.
SIGNAL SERVICE, U.S. ARMY.
Division of Telegrams and Reports for the Benefit of Commerce and Agriculture
Washington, Wednesday, April 23, 1873—11 P. M.
All Observations made at the same moment of actual (not local) time
HIGH
LOW
Duluth
Marquette
Escanaba
Green Bay
St Paul
Milwaukee
Chicago
Davenport
Keokuk
Omaha
Denver
Leavenworth
St Louis
Louisville
Indianapolis
Cincinnati
Cleveland
Toledo
Detroit
Pittsburg
Philadelphia
Baltimore
Washington
Norfolk
Wilmington
Charleston
Savannah
Atlanta
Augusta
Montgomery
Mobile
New Orleans
Vicksburg
Memphis
Little Rock
Ft Gibson
Galveston
Indianola
Waco
Brownsville
Key West
Havana
Quebec
Montreal
Portland
Boston
New Haven
Albany
Buffalo
Rochester
Oswego
Burlington
Toronto
Sandusky
Pembina
Breckenridge
Yankton
Cheyenne
Salt Lake
Virginia City
San Diego
Humboldt City
Santa Fe
Pensacola
Fernandina
St Marks
Point Lookout
Santiago de Cuba
ST DOMINGO
CUBA
30.30
30.20
30.10
30.00
40°
50°
60°
70°
REFERENCES.
CLEAR
FAIR
CLOUDY
RAIN
SNOW
Arrow flies with the wind
Figures at base of arrows show velocity of wind in miles per hour
Note
Isobarometric lines
Isothermal
PUBLISHED BY ORDER OF THE SECRETARY OF WAR

WASHINGTON, D. C.,
WEDNESDAY, *April* 23, 1873—11 *p. m.*

SYNOPSIS.

The area of lowest barometer has moved since Tuesday night southeastward over the South Atlantic coast beyond our stations. The pressure has risen throughout the Lake region, and is now highest in the Missouri Valley. Warm southwesterly winds prevail on the coast of South Carolina and Florida. Cold northerly winds prevail from the interior of the Gulf States northward over the Lake region. Cloudy weather, with occasional light rain, is reported from the Middle Atlantic States. Generally clear weather prevails from Lake Erie and the Ohio Valley northwestward to Lake Superior. The temperature has fallen from Arkansas and Virginia northward.

PROBABILITIES.

The barometer continue to rise on Thursday over the entire country east of the Mississippi. For the South Atlantic States, southwesterly winds veer to brisk northwest, with falling temperature and generally cloudy weather. Increasing northerly winds prevail in the Southwest and in the Mississippi Valley. For the Lake region, generally rising barometer, clear weather, and northerly winds. For New England and the Middle States, northerly winds, partly cloudy and clearing weather, and continued low temperature.

FACTS—7.35 A. M., (*following the above "Probabilities."*)

WIND AND WEATHER.

(1.) *Clear.*—At Charleston, wind NE., gentle; New London, wind N., gentle; Boston, Keokuk, New York, and Saint Louis, wind NW., fresh; Lake City, wind W., fresh; Jacksonville, wind SW., fresh.

(2.) *Fair.*—At Pittsburgh, calm; Cheyenne and Punta Rassa, wind NW., light; Augusta, Key West, and Dover, wind N., gentle; Stanley, wind NW., gentle; Baltimore, Cincinnati, Louisville, and Pembina, wind NW., fresh; Savannah, wind SW., fresh; Detroit, wind NE., fresh; Philadelphia, wind N., fresh.

(3.) *Cloudy.*—At Quebec, Lynchburg, Kingston, and Indianapolis, calm; Portland, Me., wind W., light; Oswego, wind NW., light; Alpena, wind W., gentle; Burlington, wind E., gentle; Buffalo, wind SW., gentle; Cleveland, Grand Haven, and Norfolk, wind NE., gentle; Fort Gibson, Montreal, and Nashville, wind NW., gentle; Milwaukee and Toledo, wind N., gentle; Knoxville, Memphis, Breckenridge, Mobile, New Orleans, and Rochester, wind N., fresh; Chicago, Davenport, Toronto, Escanaba, Montgomery, and Washington, wind NW., fresh; Galveston and Shreveport, wind SE., fresh; San Francisco, wind SW., fresh; Omaha, wind W., fresh; Wilmington, wind NE., fresh; Corinne, wind E., brisk.

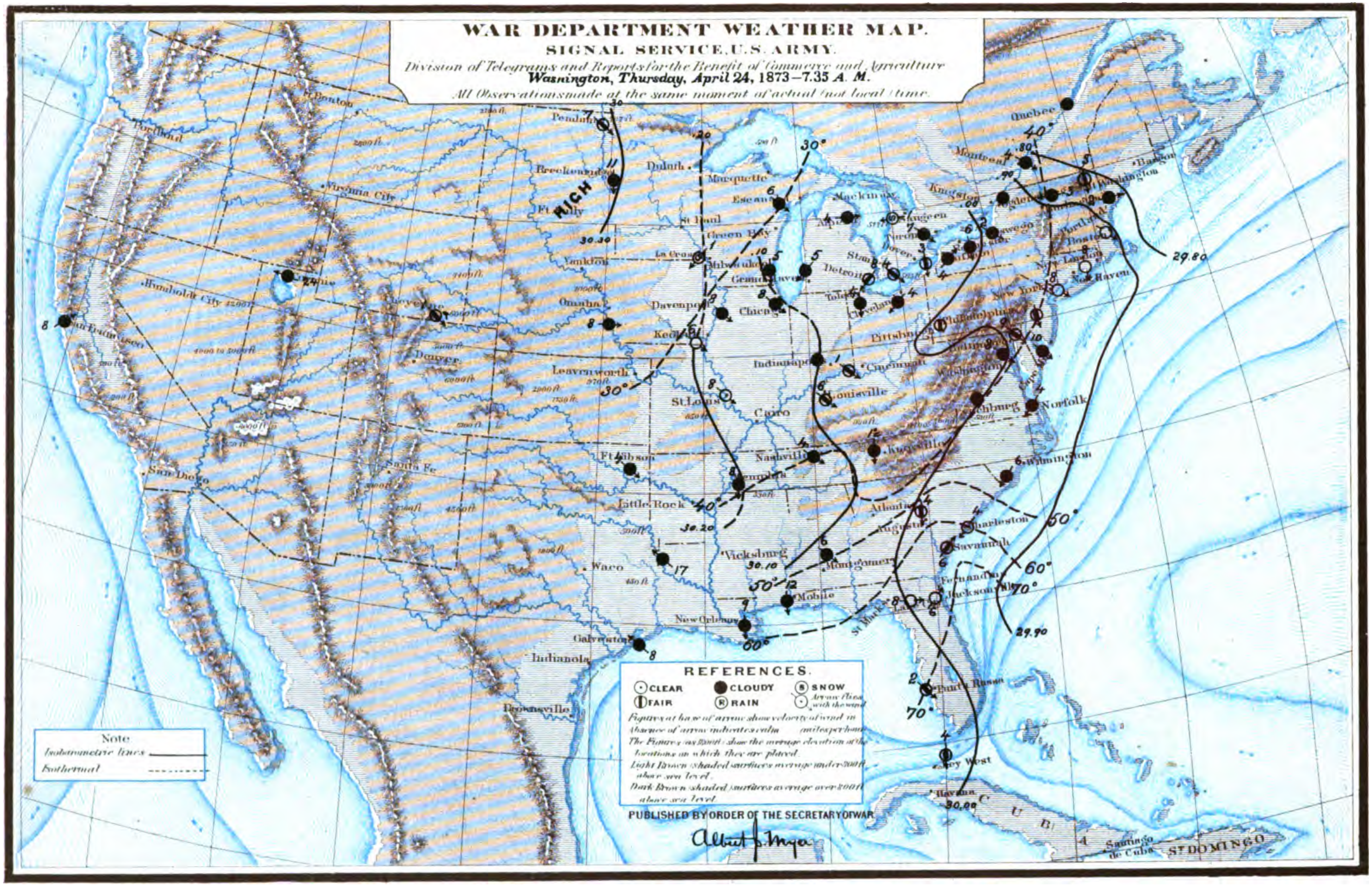
(4.) *Snowy.*—At La Crosse, wind NE., light; Saugeen, wind E., light.

GENERAL REMARKS AS TO VERIFICATIONS.

The above "Probabilities" were generally verified, except "the barometer continue to rise on Thursday over the entire country east of the Mississippi," "for the South Atlantic States, brisk winds," "increasing winds prevail in the Mississippi Valley," and "for the Lake region, generally rising barometer, clear weather," not verified.

METEOROLOGICAL RECORD, APRIL 24, 1873—7.35 A. M.

Place of observation.	Barometer.	Thermometer.	Relative humidity, per cent.	Wind.		Clouds.			Rain-fall in last 8 hours.	State of the weather.
				Direction.	Velocity.	Amount of lower.	Amount of upper.	Direction of upper.		
Alpena, Mich	30.03	33	70	W.	4	4-4				Cloudy.
Augusta, Ga	29.92	64	57	N.	4	0	2-4			Fair.
Baltimore, Md	29.97	44	56	N. W.	9	1-4	2-4	N.	.01	Clearing.
Boston, Mass	29.85	47	48	N. W.	6	Hazy	0			Clear.
Breckenridge, Minn	30.27	26	88	N.	11	4-4			.01	Cloudy.
Buffalo, N. Y	29.95	35	80	S. W.	4	4-4				Cloudy.
Burlington, Vt	29.91	42	57	E.	3	1-4	3-4			Cloudy.
*Cairo, Ill	30.21	42	62	N. E.	4	2-4	2-4			Cloudy.
Cape May, N. J	29.94	44	25	N. W.	10	1-4	2-4	N. W.		Cloudy.
Charleston, S. C	29.91	59	88	N. E.	4	Hazy	Hazy			Clear.
Cheyenne, Wyo	30.12	6	76	N. W.	1	1-4	0			Fair.
Chicago, Ill	30.11	35	80	N. W.	8	2-4	2-4			Cloudy.
Cincinnati, Ohio	30.09	38	72	N. W.	1	Smoky	Hazy			Fair.
Cleveland, Ohio	29.98	38	86	N. E.	4	4-4				Cloudy.
Corinne, Utah	30.09	29	73	E.	24	4-4				Cloudy.
Davenport, Iowa	30.13	37	70	N. W.	8	4-4				Cloudy.
*Denver, Colo	30.25	16	83	N. W.	4	2-4	2-4		.02	Clearing.
Detroit, Mich	30.00	32	79	N. E.	8	Smoky	Hazy			Fair.
*Duluth, Minn	30.17	31	68	N.	8	4-4			.02	Cloudy.
*Eastport, Me	29.72	43	75	N. W.	6	0	2-4			Fair.
Escanaba, Mich		31	79	N. W.	6	4-4				Cloudy.
*Fort Benton, Mont	30.46	24	74	Calm.	0	0	0			Clear.
Fort Garry, Manitoba	30.23	24	93	N.	7	0	0			Clear.
*Fort Gibson, Ind. T	30.36	41	65	N. W.	4	1-4	2-4			Cloudy.
*Fort Sully, Dak	30.42	25	75	N. W.	19	4-4				Cloudy.
*Galveston, Tex	30.09	62	66	N. W.	8	4-4				Cloudy.
Grand Haven, Mich	30.03	35	60	N. E.	5	4-4				Cloudy.
Indianapolis, Ind	30.07	34	79	Calm.	0	4-4				Cloudy.
*Indianola, Tex	30.16	54	58	N.	37	4-4				Cloudy.
Jacksonville, Fla	29.97	71	75	S. W.	6	0	0			Clear.
Keokuk, Iowa	30.17	36	70	N. W.	6	Hazy	0			Clear.
Key West, Fla	29.99	75	72	N.	4	0	1-4			Fair.
Kingston, Canada	30.00	37	71	Calm.	0	0	4-4			Cloudy.
Knoxville, Tenn	30.05	37	76	N.	12	4-4				Cloudy.
La Crosse, Wis	30.18	31	69	N. E.	1	4-4				Threatening.
Lake City, Fla	29.97	68	79	W.	8	0	0			Cloudy.
*Leavenworth, Kans	30.26	35	70	N. W.	4	4-4				Cloudy.
Louisville, Ky	30.06	38	63	N. W.	6	1-4	1-4			Fair.
Lynchburg, Va	29.99	40	87	Calm.	0	4-4			.01	Cloudy.
*Marquette, Mich	30.06	30	67	N.	4	3-4	0		.01	Light snow.
Memphis, Tenn	30.18	42	74	N.	8	1-4	4-4	N.		Cloudy.
Milwaukee, Wis	30.04	33	84	N.	5	Smoky	4-4	N. W.		Cloudy.
Mobile, Ala	30.08	57	79	N.	12	4-4				Cloudy.
Montgomery, Ala	30.04	52	66	N. W.	6	4-4				Cloudy.
Montreal, Canada	29.85	42	66	N. W.	4	0	4-4	N. W.		Cloudy.
Mount Washington, N. H	29.82	20	65	N.	5	1-4	1-4			Fair.
Nashville, Tenn	30.14	41	57	N. W.	4	1-4	3-4	N. W.		Cloudy.
New London, Conn	29.92	43	57	N.	8	0	0			Clear.
New Orleans, La	30.02	61	82	N.	9	4-4				Threatening
New York, N. Y	29.91	45	53	N. W.	8	Smoky	Hazy			Clear.
Norfolk, Va	29.71	46	76	N. E.	4	4-4				Cloudy.
Omaha, Nebr	30.28	29	89	W.	8	4-4				Cloudy.
Oswego, N. Y	29.97	38	67	N. W.	2	4-4				Cloudy.
Pembina, Dak	30.30	25	87	N. W.	7	1-4	1-4	N.		Fair.
Philadelphia, Pa	29.93	43	55	N.	12	Smoky	1-4			Fair.
Pittsburgh, Pa	30.02	32	79	Calm.	0	Fog				Fair.
Port Dover, Canada	30.00	36	71	N.	3	0	2-4	W.		Fair.
Port Stanley, Canada	30.02	34	86	N. W.	4	0	Hazy			Fair.
Portland, Me	29.78	44	52	W.	2	2-4	2-4	S. W.		Cloudy.
*Portland, Oreg	30.27	49	37	N. E.	4	0	2-4			Clear.
Punta Rassa, Fla	30.02	72	90	N. W.	2	0	1-4	N. W.		Fair.
Quebec, Canada	29.94	43	67	Calm.	0	0	4-4	N. E.		Cloudy.
Rochester, N. Y	29.97	37	66	N.	6	4-4				Cloudy.
*San Diego, Cal	29.89	55	93	S. E.	5	3-4				Cloudy.
San Francisco, Cal	29.90	51	78	S. W.	8	4-4				Cloudy.
*Santa Fé, N. Mex	29.79	23	73	S. E.	1	1-4			.01	Light snow.
Sangeen, Canada	29.99	34	79	E.	1	4-4				Light snow.
Savannah, Ga	29.91	70	60	S. W.	6	Smoky	1-4			Fair.
*Shreveport, La	30.22	45	61	N. E.	17	4-4				Cloudy.
Saint Louis, Mo	30.16	40	60	N. W.	8	Smoky	0			Clear.
*Saint Paul, Minn	30.06	33	70	N. W.	8	4-4			.12	Cloudy.
Toledo, Ohio	30.03	34	79	N.	4	Smoky	4-4	W.		Cloudy.
Toronto, Canada	30.00	37	78	N. W.	7	2-4	2-4	W.		Cloudy.
*Vicksburg, Miss	30.18	48	69	N.	12	4-4				Cloudy.
Virginia City, Mont										
Washington, D. C	29.98	41	65	N. W.	8	4-4				Cloudy.
Wilmington, N. C	29.92	49	85	N. E.	6	4-4				Cloudy.
*Yankton, Dak	30.27	27	92	N.	17	4-4			.01	Light snow.


WAR DEPARTMENT WEATHER MAP.
SIGNAL SERVICE, U.S. ARMY.
Division of Telegrams and Reports for the Benefit of Commerce and Agriculture
Washington, Thursday, April 24, 1873—7.35 A. M.
All Observations made at the same moment of actual (not local) time.
REFERENCES.
CLEAR
FAIR
CLOUDY
RAIN
SNOW
Arrows flies with the wind
Figures at base of arrows show velocity of wind in miles per hour. Absence of arrow indicates calm.
The Figures (as 1000 ft) show the average elevation of the locations on which they are placed.
Light Brown (shaded) surfaces average under 2000 ft above sea level.
Dark Brown (shaded) surfaces average over 2000 ft above sea level.
PUBLISHED BY ORDER OF THE SECRETARY OF WAR.
Note
Isobarometric lines
Isothermal

WASHINGTON, D. C.,
THURSDAY, *April* 24, 1873—7.35 *a. m.*

SYNOPSIS.

The area of lowest barometer, that was Wednesday morning central in North Carolina, has moved southeastward beyond our stations, and has probably entirely disappeared. The area of warm winds is now confined to the Florida Peninsula. Cold northeast and northwest winds now prevail over the Southern States and northward to the British Possessions. The temperature has fallen most decidedly in the South Atlantic States, and has risen slightly over the Lower Lakes, New York, and New England. Partly cloudy weather prevails very generally over the entire country. The barometer has fallen steadily on the California coast, with southwesterly winds and increasing cloudiness.

PROBABILITIES.

The barometer fall during the rest of Thursday over the Lake region, and especially over Lake Huron, with cloudy weather and light local snows. For New England and the Middle States, rising temperature and light to fresh winds. For the Middle and South Atlantic States and westward to the Mississippi, northwest winds, partly cloudy and clearing weather. For the Western Gulf States, northerly winds and cloudy weather, followed by easterly winds Thursday night. For the Upper Lakes and the Northwest, falling barometer, rising temperature, and diminishing winds.

FACTS—4.35 P. M., (*following the above "Probabilities."*)

WIND AND WEATHER.

(1.) *Clear.*—At Virginia City, wind SE., light; Key West, wind NW., gentle; Cape May, Grand Haven, and Vicksburg, wind NW., fresh; Charleston, wind SE., fresh; Punta Rassa and Cleveland, wind W., fresh; Portland, Oreg., wind NE., fresh.

(2.) *Fair.*—At Dover, calm; Saugeen, wind W., gentle; Cheyenne and Indianapolis, wind NW., gentle; Montgomery, wind SW., gentle; Jacksonville and Lake City, wind SW., fresh; Memphis, wind N., fresh; Cincinnati, Davenport, La Crosse, Nashville, and Pembina, wind NW., fresh; San Diego and Savannah, wind W., fresh; Corinne, wind E., brisk; San Francisco, wind SW., brisk; Indianola, wind N., brisk.

(3.) *Cloudy.*—At Lynchburg, Norfolk, and Toledo, calm; Knoxville and Toronto, wind SW., light; Duluth, wind NE., gentle; Buffalo, Cairo, and Kingston, wind W., gentle; Burlington and Stanley, wind SW., gentle; New Orleans, wind N., gentle; Wilmington, wind NW., gentle; Milwaukee, wind SE., gentle; Augusta, Fort Gibson, and Montreal, wind W., fresh; Baltimore, Philadelphia, Washington, Pittsburgh, Oswego, Rochester, Keokuk, Leavenworth, and Shreveport, wind NW., fresh; Breckenridge, Galveston, Mobile, Marquette, and Saint Paul, wind N., fresh; Boston, wind E., fresh; New London, Detroit, Portland, Me., and Quebec, wind SW., fresh; New York, wind S., fresh; Louisville and Saint Louis, wind NW., brisk.

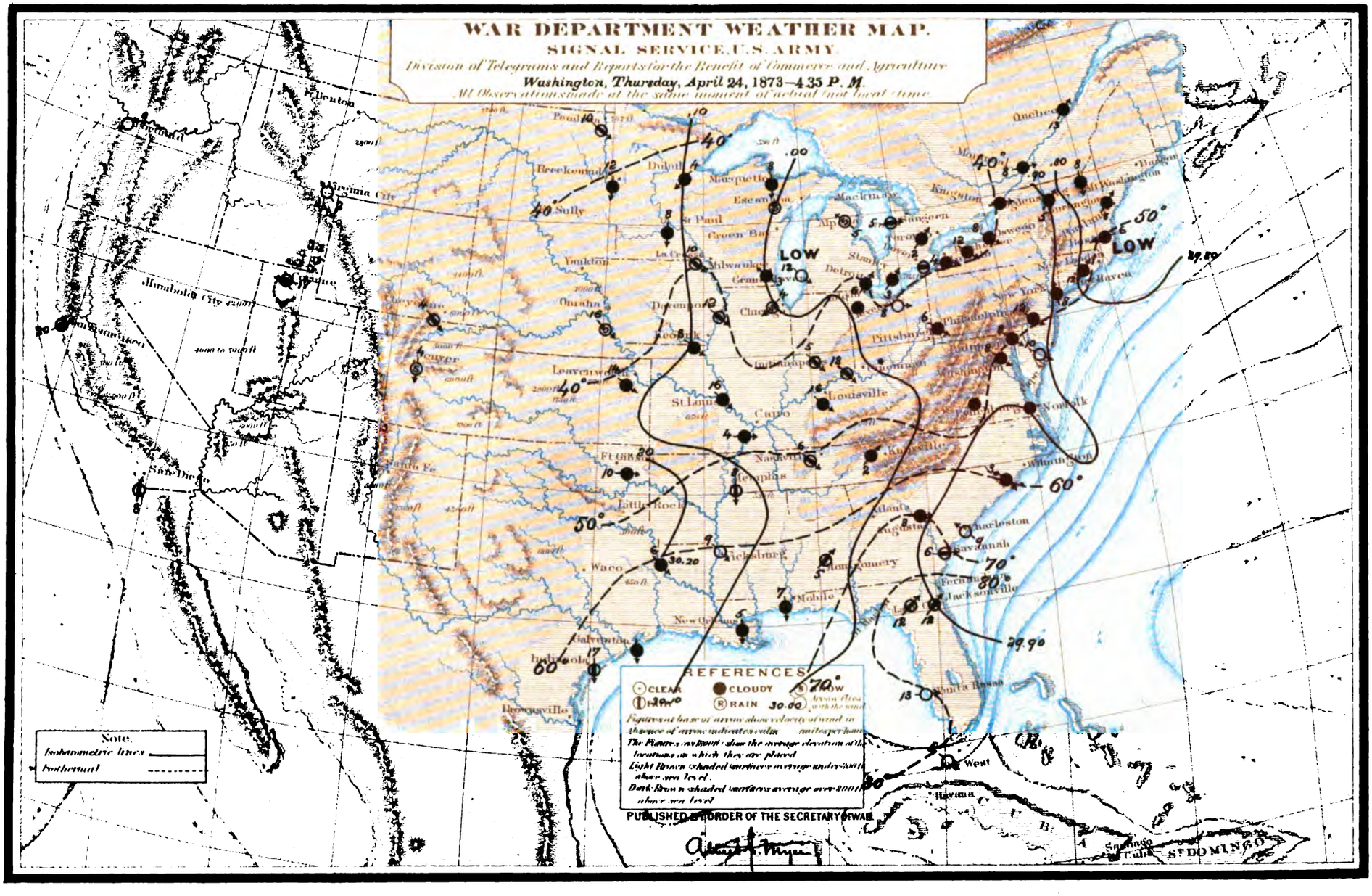
(4.) *Snowy.*—At Escanaba, calm; Denver, wind N., light; Alpena, wind SE., gentle; Chicago, wind NE., gentle; Omaha, wind NW., brisk.

GENERAL REMARKS AS TO VERIFICATIONS.

The above "Probabilities" were generally verified, except "for the Middle States and westward to the Mississippi, clearing weather," partly verified; "for New England, rising temperature," and "for the Western Gulf States, easterly winds Thursday night," not verified.

METEOROLOGICAL RECORD, APRIL 24, 1873—4.35 P. M.

Place of observation.	Barometer.	Thermometer.	Relative humidity, per cent.	Wind.		Clouds.			Rain-fall in last 8 hours.	State of the weather.
				Direction.	Velocity.	Amount of lower.	Amount of upper.	Direction of upper.		
Alpena, Mich	29.95	37	81	S. E.	5	2-4	.....	.....	.02	Light snow.
Augusta, Ga	29.85	76	37	W.	8	0	4-4	W.	.....	Cloudy.
Baltimore, Md	29.89	52	69	N. W.	8	1-4	3-4	W.	.....	Cloudy.
Boston, Mass	29.73	53	54	E.	6	3-4	Hazy..	.....	.....	Cloudy.
Breckenridge, Minn	30.17	35	75	N.	12	4-4	.....	.....	.01	Cloudy.
Buffalo, N. Y	29.88	41	69	W.	4	4-4	.....	.....	.....	Cloudy.
Burlington, Vt	29.79	45	46	S. W.	5	0	4-4	S. W.	.....	Cloudy.
Cairo, Ill	30.08	50	44	W.	4	2-4	2-4	W.	.....	Cloudy.
Cape May, N. J	29.85	51	52	N. W.	10	0	0	.....	.....	Clear.
Charleston, S. C	29.97	67	74	S. E.	9	Hazy..	1-4	W.	.....	Clear.
Cheyenne, Wyo	30.08	30	46	N. W.	4	0	2-4	.....	.....	Fair.
Chicago, Ill	30.05	37	81	N. E.	4	4-4	.....	.....	.10	Light snow.
Cincinnati, Ohio	30.02	49	51	N. W.	10	Smoky	2-4	W.	.....	Fair.
Cleveland, Ohio	29.95	44	92	W.	8	0	0	.....	.....	Clear.
Corinne, Utah	30.03	44	16	E.	17	0	2-4	S. W.	.....	Fair.
Davenport, Iowa	30.07	41	57	N. W.	12	1-4	2-4	N. W.	.....	Clearing.
Denver, Colo	30.18	26	63	N.	2	1-4	2-4	S. W.	.....	Light snow.
Detroit, Mich	29.91	44	60	S. W.	6	3-4	1-4	S. W.	.....	Cloudy.
Duluth, Minn	30.07	37	71	N. E.	4	4-4	.....	.....	.01	Cloudy.
*Eastport, Me	29.66	48	56	S.	4	0	2-4	.....	.....	Fair.
Escanaba, Mich	.....	38	86	Calm.	0	4-4	.....	.....	.01	Light snow.
*Fort Benton, Mont	30.29	40	48	N.	12	0	1-4	S. W.	.....	Fair.
Fort Garry, Manitoba	30.02	48	33	N.	8	1-4	1-4	.....	.....	Fair.
Fort Gibson, Ind. T	30.28	49	37	W.	10	0	4-4	W.	.....	Cloudy.
*Fort Sully, Dak	30.28	39	38	N.	18	0	1-4	N.	.....	Clear.
Galveston, Tex	30.09	63	61	N.	6	4-4	.....	.....	.....	Cloudy.
Grand Haven, Mich	30.00	36	70	N. W.	12	0	0	.....	.....	Clear.
Indianapolis, Ind	30.01	44	44	N. W.	5	0	2-4	W.	.....	Fair.
Indianola, Tex	30.14	63	72	N.	17	Hazy..	2-4	W.	.....	Fair.
Jacksonville, Fla	29.89	84	34	S. W.	12	0	1-4	.....	.....	Fair.
Keokuk, Iowa	30.10	41	57	N. W.	8	3-4	1-4	.....	.....	Cloudy.
Key West, Fla	29.98	84	49	N. W.	5	0	0	.....	.....	Clear.
Kingston, Canada	29.95	39	61	W.	5	4-4	.....	.....	.....	Cloudy.
Knoxville, Tenn	29.99	52	53	S. W.	2	Hazy..	4-4	S. W.	.....	Cloudy.
La Crosse, Wis	30.07	40	39	N. W.	10	1-4	2-4	N. E.	.04	Clearing.
Lake City, Fla	29.88	81	43	S. W.	12	0	1-4	.....	.....	Fair.
Leavenworth, Kans	30.09	45	24	N. W.	14	4-4	.....	.....	.....	Cloudy.
Louisville, Ky	30.02	45	39	N. W.	16	2-4	2-4	.....	.....	Cloudy.
Lynchburg, Va	29.89	49	67	Calm.	0	4-4	.....	.....	.....	Cloudy.
Marquette, Mich	29.99	34	71	N.	8	0	4-4	.....	.....	Cloudy.
Memphis, Tenn	30.10	55	27	N.	8	0	3-4	N. W.	.....	Fair.
Milwaukee, Wis	29.95	37	81	S. E.	3	Smoky	4-4	N. W.	.....	Cloudy.
Mobile, Ala	30.04	66	54	N.	7	2-4	2-4	N. W.	.....	Cloudy.
Montgomery, Ala	29.97	66	40	S. W.	5	Smoky	0	.....	.....	Fair.
Montreal, Canada	29.76	46	61	W.	8	0	4-4	W.	.....	Cloudy.
Mount Washington, N. H	29.78	25	87	N.	8	4-4	.....	.....	.....	Cloudy.
Nashville, Tenn	30.03	55	73	N. W.	6	0	2-4	N. W.	.....	Fair.
New London, Conn	29.78	50	58	S. W.	12	0	4-4	S. W.	.....	Cloudy.
New Orleans, La	30.02	64	52	N.	5	4-4	.....	.....	.....	Cloudy.
New York, N. Y	29.83	50	45	S.	8	2-4	2-4	W.	.....	Cloudy.
Norfolk, Va	29.81	53	69	Calm.	0	0	4-4	.....	.....	Cloudy.
Omaha, Nebr	30.16	34	79	N. W.	16	4-4	.....	.....	.....	Light snow.
Oswego, N. Y	29.91	40	60	N. W.	8	4-4	.....	.....	.....	Cloudy.
Pembina, Dak	30.12	45	45	N. W.	10	0	2-4	N. E.	.....	Fair.
Philadelphia, Pa	29.84	52	40	N. W.	12	4-4	.....	.....	.....	Cloudy.
Pittsburgh, Pa	29.93	45	53	N. W.	6	Smoky	4-4	N. W.	.....	Cloudy.
Port Dover, Canada	29.95	40	82	Calm.	0	0	2-4	.....	.05	Fair.
Port Stanley, Canada	29.96	37	89	S. W.	3	4-4	.....	.....	.....	Cloudy.
Portland, Me	29.70	46	61	S. W.	8	1-4	2-4	.....	.....	Cloudy.
Portland, Oreg	30.21	59	13	N. E.	9	0	0	.....	.....	Clear.
Punta Rassa, Fla	29.99	77	65	W.	13	0	0	.....	.....	Clear.
Quebec, Canada	29.68	43	75	S. W.	13	4-4	.....	.....	.....	Cloudy.
Rochester, N. Y	29.90	42	42	N. W.	12	4-4	.....	.....	.....	Cloudy.
San Diego, Cal	29.95	65	68	S.	8	1-4	1-4	S.	.....	Fair.
San Francisco, Cal	29.92	57	69	S. W.	20	1-4	0	.....	.....	Fair.
*Santa Fé, N. Mex	29.78	38	33	S.	12	3-4	1-4	.....	.....	Cloudy.
Saugeen, Canada	29.94	37	81	W.	5	1-4	2-4	N. W.	.....	Fair.
Savannah, Ga	29.84	82	42	W.	6	Smoky	2-4	W.	.....	Fair.
Shreveport, La	30.11	62	36	N. W.	6	Hazy..	4-4	W.	.....	Cloudy.
Saint Louis, Mo	30.09	45	24	N. W.	16	2-4	2-4	N. W.	.....	Cloudy.
Saint Paul, Minn	30.04	38	54	N.	8	0	4-4	N.	.....	Cloudy.
Toledo, Ohio	29.93	46	62	Calm.	0	2-4	2-4	W.	.02	Cloudy.
Toronto, Canada	29.91	39	64	S. W.	2	1-4	3-4	W.	.....	Cloudy.
Vicksburg, Miss	30.09	64	43	N. W.	9	0	0	.....	.....	Clear.
Virginia City, Mont	29.86	31	48	S. E.	2	0	0	.....	.....	Clear.
Washington, D. C	29.90	50	39	N. W.	8	4-4	0	.....	.....	Cloudy.
Wilmington, N. C	29.88	62	66	N. W.	3	4-4	.....	.....	.....	Cloudy.
*Yankton, Dak	30.22	33	92	N.	17	3-4	1-4	N.	.....	Cloudy.


WAR DEPARTMENT WEATHER MAP.
SIGNAL SERVICE, U.S. ARMY.
Division of Telegrams and Reports for the Benefit of Commerce and Agriculture
Washington, Thursday, April 24, 1873—4.35 P. M.
All Observations made at the same moment of actual (not local) time
LOW
LOW
REFERENCES
CLEAR
CLOUDY
RAIN
Note.
Isobarometric lines
Isothermal
PUBLISHED BY ORDER OF THE SECRETARY OF WAR

WASHINGTON, D. C.,
THURSDAY, *April* 24, 1873—4.35 *p. m.*

SYNOPSIS.

The low barometer, that was central in the South Atlantic States on Wednesday afternoon, has now apparently disappeared, and the pressure has very generally risen throughout the Southern States. The highest barometer is now in the Southwest, and the pressure has fallen in the Northwest and slightly so over the Lower Lakes, the Middle and Eastern States. The temperature has risen decidedly in the Northwest and slightly in Florida, the Middle Atlantic States, and Pennsylvania. Northwesterly winds prevail very generally over the entire country east of the Rocky Mountains, excepting only in New England, where a slight local disturbance apparently exists. Cloudy weather prevails from the Middle and Eastern States westward to the Missouri Valley, with numerous small areas of light rain or snow. The rivers have fallen at Cairo, Evansville, and Cincinnati.

PROBABILITIES.

The area of highest barometer extend on Friday southeastward over the Southern States, and the pressure fall decidedly over the Missouri Valley and Upper Lakes, with rising temperature and diminishing winds. For the Ohio Valley, Middle and Eastern States, northwesterly winds, with cloudy or partly cloudy weather, with possibly somewhat higher temperature. For the South Atlantic and Eastern Gulf States, north and west winds, and partly cloudy and clear weather. For the Southwest, diminishing northerly winds, rising temperature, and clearing weather. For the Lake region, westerly winds, with cloudy weather.

FACTS—11 P. M., (*following the above "Probabilities."*)

WIND AND WEATHER.

(1.) *Clear.*—At Denver, Pembina, and Saint Paul, calm; Cheyenne, wind SW., light; Corinne and Toronto, wind N., light; Dover, Louisville, Memphis, and Nashville, wind NW., gentle; Galveston, wind N., gentle; Montgomery and Cleveland, wind SW., gentle; Portland, Oreg., wind NE., gentle; Breckenridge, wind W., gentle; Cincinnati, Davenport, Keokuk, Leavenworth, and Omaha, wind NW., fresh.

(2.) *Fair.*—At Buffalo and Pittsburgh, calm; Chicago, wind SE., gentle; Oswego and Savannah, wind W., gentle; Lynchburg, wind NW., gentle; Boston, New London, Washington, and Philadelphia, wind NW., fresh; Shreveport, wind N., fresh.

(3.) *Cloudy.*—At Quebec, calm; Burlington, wind N., light; Stanley and Indianapolis, wind SW., light; Mobile, New Orleans, and Yankton, wind N., gentle; Norfolk, wind S., gentle; Kingston and Portland, Me., wind W., gentle; Milwaukee, wind NW., gentle; San Diego, wind SW., gentle; Augusta, Charleston, Montreal, Rochester, Duluth, and Toledo, wind W., fresh; Cairo, wind N., fresh; Baltimore and New York, wind NW., fresh; Saint Louis, wind SW., fresh; Wilmington, wind NE., fresh; San Francisco, wind SE., fresh.

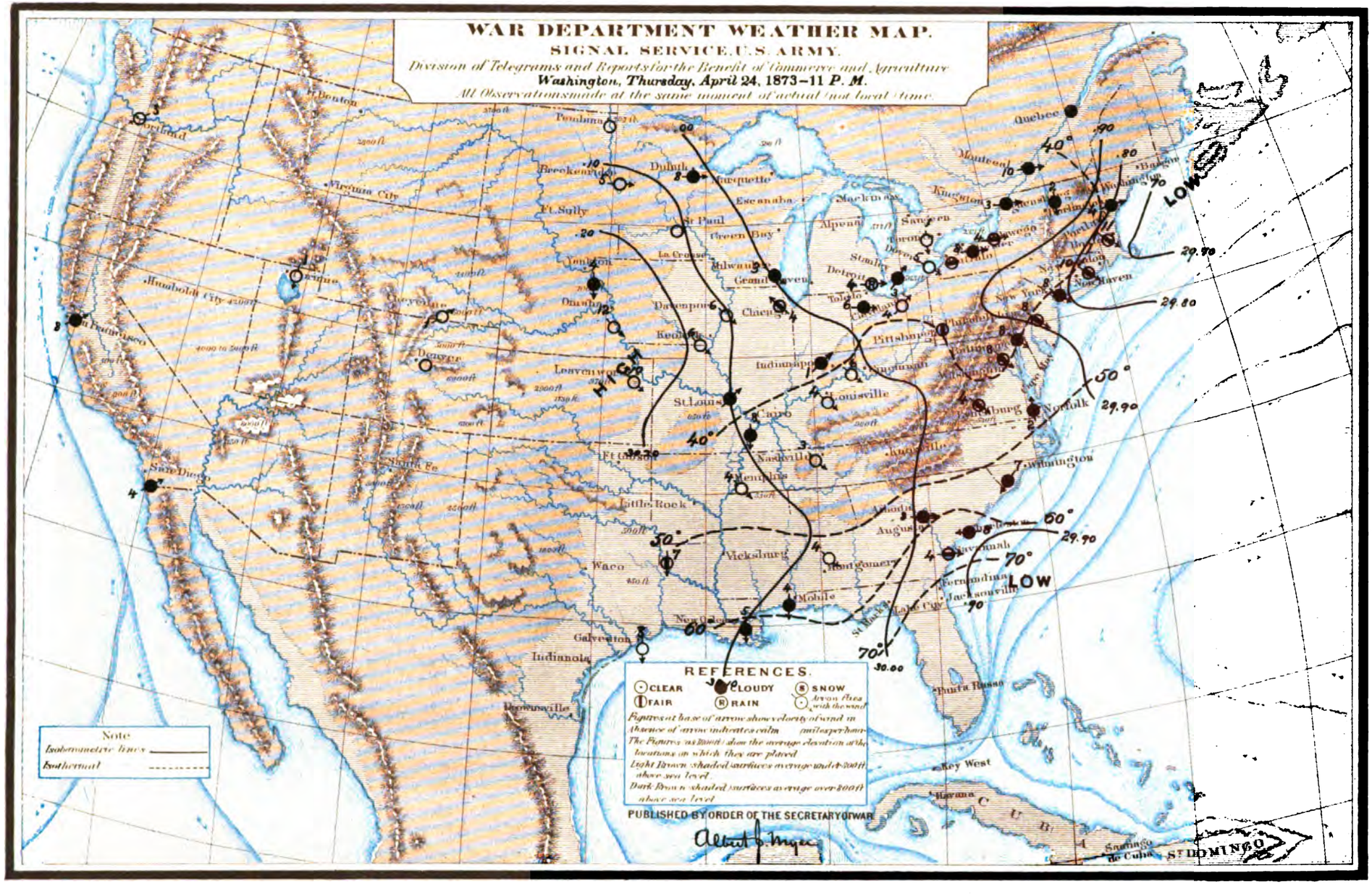
(4.) *Rainy.*—At Detroit, wind W., gentle.

GENERAL REMARKS AS TO VERIFICATIONS.

The above "Probabilities" were generally verified, except "for the Ohio Valley and Middle States, cloudy or partly cloudy weather, with possibly somewhat higher temperature," "for the Southwest, rising temperature," and "for the Lake region, westerly winds, with cloudy weather," partly verified.

METEOROLOGICAL RECORD, APRIL 24, 1873—11 P. M.

Place of observation.	Barometer.	Thermometer.	Relative humidity, per cent.	Wind.		Clouds.			Rain-fall in last 8 hours.	State of the weather.
				Direction.	Velocity.	Amount of lower.	Amount of upper.	Direction of upper.		
*Alpena, Mich	29.92	30	78	Calm.	0	3-4	0	.....	.12	Light snow.
Augusta, Ga	29.92	64	43	W.	8	4-4	.....	.....	.....	Cloudy.
Baltimore, Md	29.91	48	49	N. W.	8	4-4	.....	.....	.....	Cloudy.
Boston, Mass	29.74	45	46	N. W.	11	0	2-4	N. W.	.....	Fair.
Breckenridge, Minn	30.14	32	84	W.	5	0	0	.....	.....	Clear.
Buffalo, N. Y	29.87	33	83	Calm.	0	0	1-4	W.	.....	Fair.
Burlington, Vt	29.78	39	55	N.	2	4-4	.....	.....	.....	Threatening.
Cairo, Ill	30.07	46	49	N.	8	4-4	.....	.....	.....	Cloudy.
*Cape May, N. J	29.89	45	76	N. W.	8	0	0	.....	.....	Clear.
Charleston, S. C	29.87	62	83	E.	8	4-4	.....	.....	.....	Cloudy
Cheyenne, Wyo	30.08	25	62	S. W.	1	0	0	.....	.....	Clear.
Chicago, Ill	30.03	39	82	S. E.	4	4-4	.....	.....	.02	Clearing.
Cincinnati, Ohio	30.03	43	59	N. W.	6	0	0	.....	.....	Clear.
Cleveland, Ohio	29.91	40	65	S. W.	4	0	0	.....	.....	Clear.
Corinne, Utah	30.00	35	49	N.	1	0	0	.....	.....	Clear.
Davenport, Iowa	30.03	40	46	N. W.	6	1-4	0	.....	.....	Clear.
Denver, Colo	30.19	33	64	Calm.	0	0	0	.....	.....	Clear.
Detroit, Mich	29.91	35	90	W.	4	4-4	.....	.....	.05	Light rain.
Duluth, Minn	29.99	36	61	W.	8	4-4	.....	.....	.....	Cloudy.
*Eastport, Me	29.63	45	68	N. W.	8	4-4	.....	.....	.....	Cloudy.
*Escanaba, Mich	.....	33	89	N.	2	4-4	.....	.....	.01	Cloudy.
*Fort Benton, Mont	30.16	33	70	S. E.	1	0	1-4	S. E.	.....	Fair.
Fort Garry, Manitoba	29.92	29	77	Calm.	0	0	0	.....	.....	Clear.
*Fort Gibson, Ind. T	30.30	40	48	Calm.	0	0	0	.....	.....	Clear.
*Fort Sully, Dak	30.28	34	67	Calm.	0	0	0	.....	.....	Clear.
Galveston, Tex	30.15	63	57	N.	3	0	0	.....	.....	Clear.
*Grand Haven, Mich	29.95	34	69	N. W.	8	4-4	.....	.....	.....	Cloudy.
Indianapolis, Ind	30.00	40	73	S. W.	1	3-4	.....	.....	.....	Cloudy.
*Indianola, Tex	30.20	61	55	N.	19	1-4	0	.....	.....	Fair.
*Jacksonville, Fla	29.92	70	62	S. W.	4	0	0	.....	.....	Clear.
Keokuk, Iowa	30.04	38	81	N. W.	6	Hazy..	0	.....	.....	Clear.
*Key West, Fla	30.01	75	69	N. W.	8	0	0	.....	.....	Clear.
Kingston, Canada	29.91	37	87	W.	3	4-4	.....	.....	.....	Cloudy.
*Knoxville, Tenn	29.97	48	48	N. W.	8	4-4	.....	.....	.....	Cloudy.
*La Crosse, Wis	30.09	35	34	N. W.	5	2-4	.....	.....	.....	Fair.
*Lake City, Fla	29.91	66	78	S. W.	6	0	0	.....	.....	Clear.
Leavenworth, Kans	30.15	33	70	N. W.	10	0	0	.....	.....	Clear.
Louisville, Ky	30.03	42	58	N. W.	4	Hazy..	0	.....	.....	Clear.
Lynchburg, Va	29.94	44	60	N. W.	4	2-4	.....	.....	.....	Fair.
*Marquette, Mich	29.85	34	79	N.	4	0	1-4	.....	.....	Fair.
Memphis, Tenn	30.11	49	43	N. W.	4	1-4	0	.....	.....	Clear.
Milwaukee, Wis	29.93	36	80	N. W.	3	4-4	.....	.....	.....	Cloudy.
Mobile, Ala	30.08	58	76	N.	4	4-4	.....	.....	.....	Cloudy.
Montgomery, Ala	30.01	52	72	S. W.	4	0	0	.....	.....	Clear.
Montreal, Canada	29.94	40	64	W.	10	0	4-4	W.	.....	Cloudy.
* Mount Washington, N. H	29.73	21	85	N.	5	4-4	.....	.....	.....	Cloudy.
Nashville, Tenn	30.06	47	41	N. W.	3	0	1-4	N. W.	.....	Clear.
New London, Conn	29.81	43	57	N. W.	10	Hazy..	Hazy..	.....	.....	Fair.
New Orleans, La	30.06	62	57	N.	5	4-4	.....	.....	.....	Cloudy.
New York, N. Y	29.80	46	47	N. W.	8	2-4	1-4	.....	.....	Cloudy.
Norfolk, Va	29.94	51	79	S.	2	4-4	.....	.....	.....	Cloudy.
Omaha, Nebr	30.24	31	79	N. W.	12	0	0	.....	.01	Clear.
Oswego, N. Y	29.86	36	75	W.	4	0	3-4	.....	.....	Fair.
Pembina, Dak	30.09	33	80	Calm.	0	0	0	.....	.....	Clear.
Philadelphia, Pa	29.88	45	46	N. W.	8	2-4	.....	.....	.....	Fair.
Pittsburgh, Pa	29.96	37	81	Calm.	0	Fog ...	.....	.....	.....	Foggy.
Port Dover, Canada	29.92	34	71	N. W.	5	0	0	.....	.....	Clear.
Port Stanley, Canada	29.94	37	94	S. W.	3	4-4	.....	.....	.....	Cloudy.
Portland, Me	29.67	44	57	W.	4	1-4	2-4	.....	.....	Cloudy.
Portland, Oreg	30.15	57	26	N. E.	3	0	0	.....	.....	Clear.
*Punta Rassa, Fla	30.03	72	85	N. W.	9	0	0	.....	.....	Clear.
Quebec, Canada	29.64	40	91	Calm.	0	4-4	.....	.....	.....	Cloudy.
Rochester, N. Y	29.87	37	71	W.	5	4-4	.....	.....	.....	Cloudy.
San Diego, Cal	29.96	58	79	S. W.	4	1-4	0	.....	.....	Cloudy.
San Francisco, Cal	29.92	53	79	S. W.	8	4-4	.....	.....	.....	Cloudy.
*Santa Fé, N. Mex	29.80	34	71	S.	32	3-4	.....	.....	.....	Cloudy.
*Saugeen, Canada	29.91	32	90	W.	2	2-4	2-4	W.	.....	Fair.
Savannah, Ga	29.88	70	71	W.	4	2-4	.....	.....	.....	Fair.
Shreveport, La	30.18	53	42	N.	7	0	1-4	W.	.....	Fair.
Saint Louis, Mo	30.08	40	63	S. W.	6	4-4	.....	.....	.....	Cloudy.
Saint Paul, Minn	30.04	35	70	Calm.	0	0	0	.....	.....	Clear.
Toledo, Ohio	29.93	40	73	W.	6	3-4	Hazy..	.....	.04	Cloudy.
Toronto, Canada	29.91	31	87	N.	1	0	0	.....	.....	Clear.
* Vicksburg, Miss	30.15	55	50	Calm.	0	0	Hazy..	.....	.....	Fair.
Virginia City, Mont	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Washington, D. C	29.93	44	60	N. W.	8	1-4	Hazy..	.....	.....	Fair.
Wilmington, N. C	29.92	56	71	N. E.	7	4-4	.....	.....	.....	Threatening.
Yankton, Dak	30.23	34	92	N.	4	4-4	.....	.....	.....	Cloudy.


WAR DEPARTMENT WEATHER MAP.
SIGNAL SERVICE, U.S. ARMY.
Division of Telegrams and Reports for the Benefit of Commerce and Agriculture
Washington, Thursday, April 24, 1873 – 11 P. M.
All Observations made at the same moment of actual (not local) time.
REFERENCES.
CLEAR
CLOUDY
SNOW
Arrow flies with the wind
FAIR
RAIN
Figures at base of arrow show velocity of wind in
Absence of arrow indicates calm miles per hour
The Figures as 2000 ft show the average elevation of the locations in which they are placed
Light Brown shaded surfaces average under 200 ft above sea level
Dark Brown shaded surfaces average over 200 ft above sea level
Note
Isobarometric lines
Isothermal
PUBLISHED BY ORDER OF THE SECRETARY OF WAR
Albert J. Myer
LOW
HIGH
LOW
Portland
Virginia City
Humboldt City
Cheyenne
Denver
Santa Fe
San Diego
Ft Yuma
Ft Sully
Dubuque
Milwaukee
Chicago
St Louis
Cairo
Nashville
Memphis
Little Rock
Vicksburg
Mobile
New Orleans
Galveston
Indianola
Brownsville
Waco
Augusta
Savannah
Fernandina
Jacksonville
Lake City
Norfolk
Wilmington
Quebec
Montreal
Boston
New Haven
New York
Philadelphia
Pittsburgh
Detroit
Toledo
Cleveland
Louisville
Indianapolis
Key West
Havana
Santiago de Cuba
ST DOMINGO
CUBA
Puerto Rico

WASHINGTON, D. C.,
THURSDAY, *April* 24, 1873—11 *p. m.*

SYNOPSIS.

The area of low barometer, that was Wednesday night in South Carolina, has moved southeastward, and the area of highest pressure now extends over Kansas and Texas. The barometer has fallen over the Lower Lakes and is lowest in Maine. The temperature has very generally fallen in the Southern States. Cloudy weather is very generally reported on the Gulf and South Atlantic coasts, and in Illinois and Michigan. Threatening weather is reported from North Carolina and Northern New England. Elsewhere partly cloudy and clear or clearing weather prevails. Fresh north and west winds or calms continue over the entire country east of the Rocky Mountains so far as heard from.

PROBABILITIES.

The area of highest barometer extend on Friday over the Southern States, and the pressure fall somewhat in the Northwest. For the Upper Lakes, winds back to southwest, with rising temperature. For the Lower Lakes, west and southwest winds prevail, with partly cloudy and clearing weather. For the Mississippi Valley, west and southwest winds, partly cloudy and clear weather. For the Gulf States, northwesterly winds and clear weather. For the Lower Lakes and Michigan, the barometer fall somewhat, with threatening weather and possibly light rain, followed by westerly winds and clearing weather in the afternoon. For the Middle States, northwest winds and partly cloudy or clear weather. For New England, northwest winds, and in the northern part, cloudy weather.

FACTS—7.35 A. M., (*following the above "Probabilities."*)

WIND AND WEATHER.

(1.) *Clear.*—At Fort Gibson, calm; Corinne, wind NW., gentle; Memphis, wind W., gentle; Rochester and Saint Paul, wind W., fresh; Davenport, wind NW., fresh; Mobile and New Orleans, wind N., fresh; Duluth, wind NW., brisk.

(2.) *Fair.*—At Key West and Washington, calm; Alpena and Nashville, wind W., light; La Crosse, wind SW., light; Pembina, wind NW., light; Knoxville, Keokuk, New York, Eastport, and Shreveport, wind NW., gentle; Montgomery, wind W., gentle; Boston and New London, wind NW., fresh; Punta Rassa, Oswego, Savannah, Detroit, Cleveland, Cincinnati, Louisville, Toledo, and Breckenridge, wind W., fresh; Portland, Me., wind NE., fresh.

(3.) *Cloudy.*—At Dover and Quebec, calm; Burlington, wind S., light; Stanley, wind W., light; Philadelphia, wind NW., light; Augusta, wind N., gentle; Baltimore, Omaha, and Lake City, wind NW., gentle; Kingston and San Francisco, wind W., gentle; Chicago, wind SW., gentle; Cape May, wind N., fresh; Jacksonville, wind SW., fresh; Charleston, Grand Haven, Milwaukee, Saint Louis, and Toronto, wind NW., fresh; Montreal, wind W., fresh.

(4.) *Rainy.*—At Lynchburg, calm; Norfolk and Wilmington, wind N., fresh.

(5.) *Snowy.*—At Pittsburgh, wind NW., light; Buffalo and Indianapolis, wind W., fresh.

GENERAL REMARKS AS TO VERIFICATIONS.

The above "Probabilities" were generally verified, except "for the Middle States, partly cloudy or clear weather," and "for New England, northwest winds," partly verified.

METEOROLOGICAL RECORD, APRIL 25, 1873—7.35 A. M.

Place of observation.	Barometer.	Thermometer.	Relative humidity, per cent.	Wind.		Clouds.			Rain-fall in last 8 hours.	State of the weather.
				Direction.	Velocity.	Amount of lower.	Amount of upper.	Direction of upper.		
Alpena, Mich	29.85	29	89	W.	2	1-4	0	.....	.....	Fair.
Augusta, Ga	29.92	54	74	N.	4	4-4	.....	.....	.....	Cloudy.
Baltimore, Md	29.87	47	47	N. W.	4	2-4	2-4	W.	.....	Cloudy.
Boston, Mass	29.68	45	46	N. W.	10	1-4	1-4	.....	.....	Fair.
Breckenridge, Minn	30.09	32	79	W.	7	0	1-4	W.	.....	Fair.
Buffalo, N. Y	29.76	36	80	W.	6	3-4	1-4	W.	.....	Light snow.
Burlington, Vt	29.71	40	56	S.	1	4-4	.....	.....	.....	Threatening.
*Cairo, Ill	30.05	41	55	N. W.	20	0	2-4	N. W.	.....	Fair.
Cape May, N. J	29.87	45	60	N.	8	4-4	.....	.....	.....	Cloudy.
Charleston, S. C	29.84	62	83	N. W.	8	4-4	.....	.....	.....	Cloudy.
Cheyenne, Wyo	29.94	20	56	S. E.	4	0	2-4	W.	.....	Fair.
Chicago, Ill	29.97	35	70	S. W.	4	4-4	.....	.....	.09	Cloudy.
Cincinnati, Ohio	29.98	30	64	W.	11	1-4	1-4	W.	.....	Fair.
Cleveland, Ohio	29.82	37	84	W.	8	0	2-4	W.	.11	Fair.
Corinne, Utah	29.97	26	.....	N. W.	5	0	0	.....	.....	Clear.
Davenport, Iowa	30.05	36	70	N. W.	6	1-4	0	.....	.....	Clear.
*Denver, Colo	30.03	23	86	S.	2	0	1-4	W.	.....	Fair.
Detroit, Mich	29.81	32	79	W.	6	1-4	2-4	.....	.06	Fair.
Duluth, Minn	29.94	36	61	N. W.	16	0	0	.....	.....	Clear.
Eastport, Me	29.58	46	69	N. W.	4	0	2-4	.....	.....	Fair.
*Escanaba, Mich	.....	33	80	N. W.	8	4-4	.....	.....	.....	Cloudy.
*Fort Benton, Mont	30.03	27	76	N. W.	2	0	1-4	S. W.	.....	Fair.
Fort Garry, Manitoba	29.97	29	77	N. W.	8	1-4	0	.....	.....	Fair.
Fort Gibson, Ind. T	30.02	35	70	Calm.	0	0	0	.....	.....	Clear.
*Fort Sully, Dak	30.21	30	67	Calm.	0	0	0	.....	.....	Clear.
*Galveston, Tex	30.25	53	48	N.	16	Hazy..	1-4	W.	.....	Fair.
Grand Haven, Mich	29.88	35	80	N. W.	10	4-4	.....	.....	.....	Cloudy.
Indianapolis, Ind	29.97	34	79	W.	7	4-4	.....	.....	.....	Light snow.
*Indianola, Tex	30.29	52	60	N. E.	26	0	0	.....	.....	Clear.
Jacksonville, Fla	29.93	66	63	S. W.	12	4-4	.....	.....	.....	Cloudy.
Keokuk, Iowa	30.07	37	71	N. W.	4	0	2-4	N. W.	.....	Fair.
Key West, Fla	30.01	75	69	Calm.	0	Hazy..	0	.....	.....	Fair.
Kingston, Canada	29.79	35	75	W.	3	4-4	.....	.....	.....	Cloudy.
Knoxville, Tenn	30.02	41	56	N. W.	4	Hazy..	1-4	.....	.....	Fair.
La Crosse, Wis	30.06	33	75	S. W.	1	0	1-4	.....	.....	Fair.
Lake City, Fla	29.97	61	66	N. W.	4	4-4	.....	.....	.....	Cloudy.
*Leavenworth, Kans	30.22	29	77	N. W.	4	0	0	.....	.....	Clear.
Louisville, Ky	29.98	39	46	W.	6	Smoky	2-4	W.	.....	Fair.
Lynchburg, Va	29.91	38	86	Calm.	0	4-4	.....	.....	.03	Light rain.
*Marquette, Mich	29.88	33	80	N.	4	0	2-4	.....	.....	Threatening.
Memphis, Tenn	30.12	45	53	W.	4	0	0	.....	.....	Clear.
Milwaukee, Wis	29.88	34	74	N. W.	6	3-4	1-4	N.	.....	Cloudy.
Mobile, Ala	30.14	53	53	N.	6	0	0	.....	.....	Clear.
Montgomery, Ala	30.09	49	57	W.	4	Smoky	2-4	W.	.....	Fair.
Montreal, Canada	29.61	38	71	W.	6	4-4	.....	.....	.01	Cloudy.
Mount Washington, N. H	29.65	20	85	W.	12	4-4	.....	.....	.....	Cloudy.
Nashville, Tenn	30.04	42	58	W.	2	Smoky	2-4	W.	.....	Fair.
New London, Conn	29.77	42	42	N. W.	10	0	1-4	N. W.	.....	Fair.
New Orleans, La	30.15	57	40	N.	12	0	0	.....	.....	Clear.
New York, N. Y	29.83	43	51	N. W.	4	0	1-4	W.	.....	Fair.
Norfolk, Va	29.89	43	83	N.	9	4-4	.....	.....	.10	Light rain.
Omaha, Nebr	30.22	39	80	N. W.	4	4-4	.....	.....	.....	Cloudy.
Oswego, N. Y	29.79	37	75	W.	12	1-4	Hazy..	.....	.....	Fair.
Pembina, Dak	30.03	31	89	N. W.	2	2-4	0	.....	.....	Fair.
Philadelphia, Pa	29.85	43	55	N. W.	1	4-4	.....	.....	.....	Cloudy.
Pittsburgh, Pa	29.87	35	90	N. W.	2	Smoky	.....	.....	.03	Light snow.
Port Dover, Canada	29.82	34	71	Calm.	0	0	4-4	W.	.....	Cloudy.
Port Stanley, Canada	29.87	34	94	W.	2	4-4	.....	.....	.02	Cloudy.
Portland, Me	29.68	48	43	N. E.	8	1-4	1-4	W.	.....	Fair.
*Portland, Oreg	30.07	44	61	W.	3	0	Hazy..	.....	.....	Clear.
Punta Rassa, Fla	30.02	75	76	W.	12	1-4	0	.....	.....	Fair.
Quebec, Canada	29.57	39	81	Calm.	0	4-4	.....	.....	.02	Cloudy.
Rochester, N. Y	29.79	36	77	W.	6	0	0	.....	.....	Clear.
*San Diego, Cal	29.94	57	87	N. W.	4	4-4	.....	.....	.....	Cloudy.
San Francisco, Cal	29.90	54	73	W.	4	4-4	.....	.....	.....	Cloudy.
*Santa Fé, N. Mex	29.78	31	28	S. E.	12	0	0	.....	.01	Clear.
*Saugeen, Canada	29.82	33	80	W.	4	1-4	3-4	W.	.....	Cloudy.
Savannah, Ga	29.91	61	40	W.	8	Hazy..	1-4	.....	.....	Fair.
Shreveport, La	30.25	48	56	N. W.	4	Hazy..	2-4	W.	.....	Fair.
Saint Louis, Mo	30.06	36	70	N. W.	8	2-4	2-4	N. W.	.....	Cloudy.
Saint Paul, Minn	29.99	32	79	W.	8	0	0	.....	.....	Clear.
Toledo, Ohio	29.84	39	55	W.	7	1-4	0	.....	.....	Fair.
Toronto, Canada	29.82	33	78	N. W.	7	1-4	3-4	W.	.....	Cloudy.
*Vicksburg, Miss	30.22	50	57	N. W.	8	0	4-4	W.	.....	Cloudy.
Virginia City, Mont	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Washington, D C	29.88	47	58	Calm.	0	3-4	Hazy..	.....	.....	Clearing.
Wilmington, N. C	29.82	50	90	N.	8	4-4	.....	.....	.01	Light rain.
*Yankton, Dak	30.19	30	88	W.	12	0	0	.....	.....	Clear.

WAR DEPARTMENT WEATHER MAP.
SIGNAL SERVICE, U.S. ARMY.
Division of Telegrams and Reports for the Benefit of Commerce and Agriculture
Washington, Friday, April 25, 1873—7.35 A. M.
All Observations made at the same moment of actual (not local) time.
LOW
LOW?
HIGH
Note.
Isobarometric lines
Isothermal
REFERENCES
CLEAR
CLOUDY
SNOW
FAIR
RAIN
Arrow flies with the wind
Figures at base of arrow show velocity of wind in miles per hour
Absence of arrow indicates calm
The Figures (as 2000 ft) show the average elevation of the locations on which they are placed
Light Brown shaded surfaces average under 500 ft above sea level.
Dark Brown shaded surfaces average over 2000 ft above sea level
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BRIG. GENL. & CHIEF SIGNAL OFFICER U.S.A.
Portland
Boston
Quebec
Montreal
Virginia City
Ft. Sully
Duluth
Marquette
Escanaba
St. Paul
Green Bay
La Crosse
Milwaukee
Omaha
Davenport
Chicago
Detroit
Toronto
Buffalo
Cleveland
Pittsburg
Philadelphia
New York
Boston
Portland
Washington
Norfolk
Leavenworth
Denver
St. Louis
Cairo
Louisville
Cincinnati
Indianapolis
Ft. Gibson
Nashville
Memphis
Little Rock
Santa Fe
San Diego
San Francisco
Humboldt City
Vicksburg
Waco
Montgomery
Mobile
New Orleans
Galveston
Indianola
Brownsville
Atlanta
Augusta
Charleston
Savannah
Jacksonville
Fernandina
Key West
Havana
CUBA
Santiago de Cuba
ST. DOMINGO

WASHINGTON, D. C.,
FRIDAY, *April* 25, 1873—7.35 *a. m.*

SYNOPSIS.

The low barometer, that was Thursday morning off the South Atlantic coast, is now apparently some distance east of Cape Hatteras. The pressure has fallen decidedly over the Lake region, the Middle and Eastern States, and to a less extent over the Southern States and the Northwest. The temperature has very generally risen, except in the Gulf States, where it has fallen somewhat. North and northwest winds, cloudy weather, and occasional light rain or snow prevail from South Carolina to Pennsylvania and Ohio. Partly cloudy and clear weather are reported from the Gulf States, the Upper Lakes, and the Northwest. The barometer continues to fall, with cloudy weather, on the California coast.

PROBABILITIES.

The barometer continue to fall during the rest of Friday over the Lake region, the Middle and Eastern States, with increasing north and west winds, cloudy weather, and possibly light rain. For the South Atlantic and Eastern Gulf States, rising barometer, westerly winds, partly cloudy and clear weather. For the Western Gulf States, diminishing northwest winds, rising barometer, and generally clear weather. For the Upper Lakes, westerly winds, partly cloudy and clear weather.

FACTS—4.35 P. M., (*following the above "Probabilities."*)

WIND AND WEATHER.

(1.) *Clear.*—At Virginia City, wind E., light; Portland, Oreg., wind NW., light; Indianola, wind E., gentle; Leavenworth, wind NW., gentle; Yankton, wind W., gentle; Mobile, Galveston, and New Orleans, wind N., fresh; Grand Haven, Memphis, and Vicksburg, wind NW., fresh; Fort Sully, wind SW., fresh; Marquette, wind NE., fresh; Augusta, wind W., brisk.

(2.) *Fair.*—At Quebec, calm; Shreveport, wind N., light; Stanley, wind SW., light; Fort Benton, wind NW., gentle; Oswego, Rochester, Louisville, Nashville, Wilmington, Cairo, Lake City, La Crosse, and Pembina, wind NW., fresh; Philadelphia, Saugeen, Savannah, Montgomery, Omaha, Fort Gibson, Key West, and Saint Paul, wind W., fresh; Pittsburgh and San Francisco, wind SW., fresh; Eastport and Corinne, wind S., fresh; Jacksonville, wind W., brisk; Davenport, wind NW., brisk.

(3.) *Cloudy.*—At Burlington, wind SW., light; Breckenridge, wind NW., light; Dover, wind NW., gentle; Toronto, wind S., gentle; Washington, wind W., gentle; Portland, Me., wind SW., gentle; Charleston, wind N., fresh; Cheyenne, wind S., fresh; Denver, Boston, Duluth, and Keokuk, wind NW., fresh; Indianapolis, Saint Louis, Norfolk, Toledo, Kingston, Montreal, and New York, wind W., fresh; Baltimore, Chicago, and San Diego, wind SW., fresh; Cape May and Milwaukee, wind SE., fresh; Cleveland, Knoxville, and Lynchburg, wind W., brisk; New London, wind NW., brisk.

(4.) *Rainy.*—At Cincinnati, wind NW., fresh; Punta Rassa, wind N., brisk.

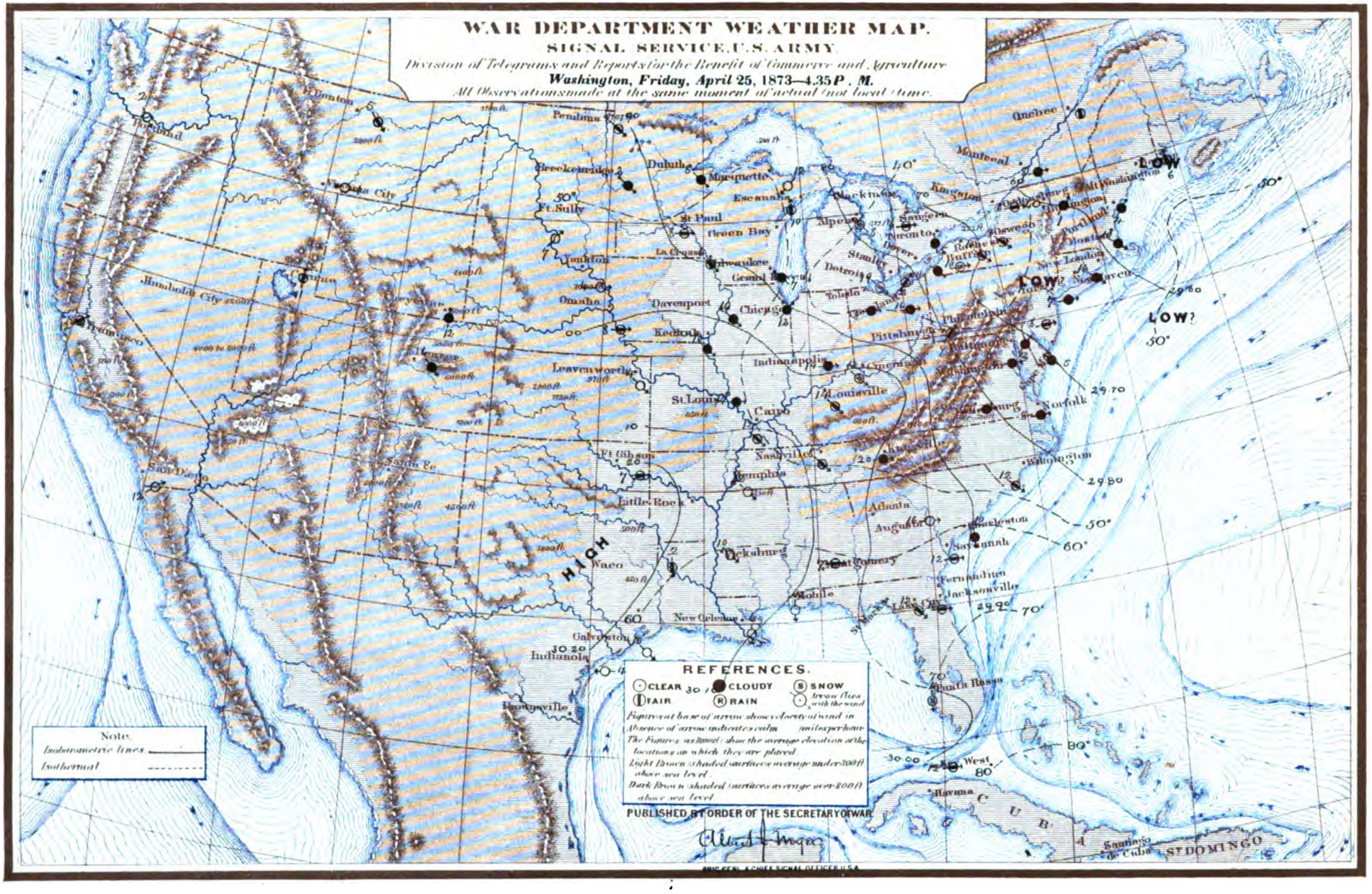
(5.) *Snowy.*—At Alpena, wind SE., fresh; Buffalo, wind W., fresh; Detroit, wind NW., brisk.

GENERAL REMARKS AS TO VERIFICATIONS.

The above "Probabilities" were generally verified, except "for the Upper Lakes, westerly winds," partly verified; "for the Western Gulf, rising barometer," not verified.

METEOROLOGICAL RECORD, APRIL 25, 1873—4.35 P. M.

Place of observation.	Barometer.	Thermometer.	Relative humidity, per cent.	Wind.		Clouds.			Rain-fall in last 8 hours.	State of the weather.
				Direction.	Velocity.	Amount of lower.	Amount of upper.	Direction of upper.		
Alpena, Mich	29.79	33	89	S. E.	8	2-4	0	.....	.....	Light snow.
Augusta, Ga	29.92	63	19	W.	16	0	0	.....	.....	Clear.
Baltimore, Md	29.72	48	59	S. W.	12	4-4	.....	.....	.....	Threatening.
Boston, Mass	29.60	49	31	N. W.	10	Hazy..	4-4	N. W.	.....	Cloudy.
Breckenridge, Minn	29.93	49	50	N. W.	2	1-4	3-4	N. W.	.....	Cloudy.
Buffalo, N. Y	29.68	39	82	W.	10	4-4	.....	.....	.07	Light snow.
Burlington, Vt	29.61	45	37	S. W.	1	4-4	0	.....	.....	Cloudy.
Cairo, Ill	30.12	48	32	N. W.	12	0	2-4	N.	.....	Fair.
Cape May, N. J	29.70	44	75	S. E.	5	4-4	.....	.....	.....	Cloudy.
Charleston, S. C	29.85	61	50	N.	10	Hazy..	4-4	W.	.....	Cloudy.
Cheyenne, Wyo	29.90	37	71	S.	12	4-4	.....	.....	.....	Cloudy.
Chicago, Ill	29.92	47	56	S. W.	12	1-4	3-4	N. W.	.....	Cloudy.
Cincinnati, Ohio	30.03	41	65	N. W.	12	4-4	.....	.....	.....	Light rain.
Cleveland, Ohio	29.81	40	56	W.	16	4-4	.....	.....	.....	Cloudy.
Corinne, Utah	29.93	56	15	S.	11	0	2-4	N. W.	.....	Fair.
Davenport, Iowa	30.00	50	44	N. W.	16	1-4	2-4	W.	.....	Fair.
Denver, Colo	29.86	36	55	N. W.	6	4-4	.....	.....	.....	Threatening.
Detroit, Mich	29.79	37	81	N. W.	10	4-4	.....	.....	.....	Light snow.
Duluth, Minn	29.80	52	22	N. W.	8	2-4	2-4	N. W.	.....	Cloudy.
Eastport, Me	29.53	48	70	S.	6	1-4	2-4	.....	.02	Fair.
Escanaba, Mich	.....	41	74	S.	10	1-4	2-4	N. W.	.....	Fair.
Fort Benton, Mont	29.97	50	39	N. W.	5	0	2-4	N. W.	.....	Fair.
Fort Garry, Manitoba	29.85	46	35	N.	9	2-4	0	.....	.....	Fair.
Fort Gibson, Ind. T	30.25	53	31	W.	7	Hazy..	2-4	S. W.	.....	Fair.
Fort Sully, Dak	29.93	5[illegible]	12	S. W.	7	0	1-4	W.	.....	Clear.
Galveston, Tex	30.15	62	40	N.	10	0	1-4	.....	.....	Clear.
Grand Haven, Mich	29.87	39	72	N. W.	14	0	0	.....	.....	Clear.
Indianapolis, Ind	30.00	44	52	W.	14	2-4	2-4	N. W.	.01	Cloudy.
Indianola, Tex	30.16	65	39	E.	4	0	0	.....	.....	Clear.
Jacksonville, Fla	29.91	74	32	W.	16	Hazy..	2-4	W.	.....	Fair.
Keokuk, Iowa	30.07	47	48	N. W.	10	2-4	2-4	.....	.....	Cloudy.
Key West, Fla	29.96	83	64	W.	12	0	2-4	W.	.....	Fair.
Kingston, Canada	29.71	40	77	W.	6	0	3-4	N. W.	.....	Fair.
Knoxville, Tenn	29.98	49	23	W.	20	Hazy..	4-4	W.	.....	Cloudy.
La Crosse, Wis	29.94	51	24	N. W.	6	0	2-4	N. W.	.....	Fair.
Lake City, Fla	29.91	70	32	N. W.	12	0	Hazy..	N. W.	.....	Fair.
Leavenworth, Kans	30.06	67	32	N. W.	4	0	0	.....	.....	Clear.
Louisville, Ky	30.02	45	46	N. W.	14	Smoky	2-4	W.	.....	Clearing.
Lynchburg, Va	29.82	40	64	W.	24	4-4	.....	.....	.07	Cloudy.
Marquette, Mich	29.88	41	74	N. E.	12	0	0	.....	.....	Clear.
Memphis, Tenn	30.13	55	22	N. W.	12	0	0	.....	.....	Clear.
Milwaukee, Wis	29.84	37	80	S. E.	7	1-4	3-4	W.	.....	Cloudy.
Mobile, Ala	30.08	67	75	N.	12	0	0	.....	.....	Clear.
Montgomery, Ala	30.02	64	20	W.	7	Smoky	0	.....	.....	Fair.
Montreal, Canada	29.53	47	69	W.	8	0	4-4	W.	.....	Cloudy.
*Mount Washington, N. H	29.60	22	72	S. E.	5	4-4	.....	.....	.04	Light snow.
Nashville, Tenn	30.07	51	34	N. W.	8	0	2-4	W.	.....	Fair.
New London, Conn	29.63	48	29	N. W.	16	0	4-4	N. W.	.....	Cloudy.
New Orleans, La	30.09	64	33	N.	6	0	0	.....	.....	Clear.
New York, N. Y	29.65	48	56	W.	7	2-4	2-4	W.	.....	Cloudy.
Norfolk, Va	29.78	46	84	W.	8	0	4-4	W.	.11	Cloudy.
Omaha, Nebr	30.03	52	35	W.	8	0	1-4	.....	.....	Fair.
Oswego, N. Y	29.69	42	58	N. W.	8	2-4	Hazy..	.....	.....	Fair.
Pembina, Dak	29.91	47	48	N. W.	8	0	2-4	N. W.	.....	Fair.
Philadelphia, Pa	29.67	50	47	W.	8	2-4	1-4	W.	.....	Fair.
Pittsburgh, Pa	29.79	47	55	S. W.	9	Smoky	2-4	S. W.	.21	Fair.
Port Dover, Canada	29.76	38	81	N. W.	3	2-4	2-4	N. W.	.10	Cloudy.
Port Stanley, Canada	29.81	37	90	S. W.	2	0	2-4	W.	.14	Fair.
Portland, Me	29.55	52	29	S. W.	4	0	4-4	.....	.....	Cloudy.
Portland, Oreg	29.87	66	19	N. W.	2	0	0	.....	.....	Clear.
Punta Rassa, Fla	30.01	71	85	N.	16	4-4	.....	.....	.02	Light rain.
Quebec, Canada	29.71	41	59	Calm.	0	0	2-4	.....	.....	Fair.
Rochester, N. Y	29.68	44	48	N. W.	14	0	1-4	W.	.....	Fair.
San Diego, Cal	29.97	62	61	S. W.	12	1-4	2-4	W.	.....	Cloudy.
San Francisco, Cal	29.92	61	55	S. W.	12	2-4	0	.....	.....	Fair.
*Santa Fé, N. Mex	29.66	50	20	S.	12	4-4	.....	.....	.....	Cloudy.
Saugeen, Canada	29.80	47	77	W.	6	1-4	2-4	W.	.....	Fair.
Savannah, Ga	29.90	68	20	W.	12	Hazy..	1-4	.....	.....	Fair.
Shreveport, La	30.11	65	22	N.	2	Hazy..	2-4	W.	.....	Fair.
Saint Louis, Mo	30.09	46	39	W.	14	2-4	2-4	.....	.....	Cloudy.
Saint Paul, Minn	29.85	53	36	W.	8	0	2-4	.....	.....	Fair.
Toledo, Ohio	29.84	43	75	W.	8	4-4	.....	.....	.02	Threatening.
Toronto, Canada	29.94	39	78	S.	5	1-4	3-4	N. W.	.....	Threatening.
Vicksburg, Miss	30.15	65	26	N. W.	10	0	0	.....	.....	Clear.
Virginia City, Mont	29.66	40	44	E.	1	0	0	.....	.....	Clear.
Washington, D. C	29.74	45	68	W.	4	4-4	.....	.....	.01	Cloudy.
Wilmington, N. C	29.88	49	71	N. W.	12	2-4	.....	.....	.....	Clearing.
Yankton, Dak	29.98	54	64	W.	4	0	0	.....	.....	Clear.



BRIG GENL & CHIEF SIGNAL OFFICER U.S.A.

WASHINGTON, D. C.,
FRIDAY, *April* 25, 1873—4.35 *p. m.*

SYNOPSIS.

The barometer has fallen decidedly since Thursday afternoon over the Lake region, Middle and Eastern States, and quite rapidly in Oregon. It has risen in the Southwest and Gulf States. Areas of low barometer have apparently moved from the Lower Lakes eastward over New York and Southern New England. The temperature has fallen in the Middle and Eastern States and in the South Atlantic States. It has risen decidedly over the Upper Mississippi and Missouri Valleys. North and west winds prevail, with partly cloudy and clear weather, throughout the Gulf States. Northwesterly winds, with cloudy weather, in the Middle States, except at the coast stations, where southerly winds are reported. Light rain or snow is reported from Lakes Huron and Erie and Western Pennsylvania. The rivers have fallen at Memphis, Cairo, Evansville, and Cincinnati, and remarkably so at New Geneva, Pennsylvania.

PROBABILITIES.

The barometer will probably continue to fall on Saturday throughout the Lake region, New York, and New England, with generally cloudy weather. For the South Atlantic States and the southern portion of the Middle States and the Ohio Valley, rising barometer, partly cloudy and clearing weather. For the Gulf States, diminishing northwesterly winds, veering to southeast in Texas, with generally clear weather. For the Northwest, falling barometer, southeast and southwest winds, and rising temperature.

FACTS—11 P. M., (*following the above "Probabilities."*)

WIND AND WEATHER.

(1.) *Clear.*—At Quebec, Augusta, Mobile, and Leavenworth, calm; Montgomery and Corinne, wind W., light; Nashville, wind NW., light; Charleston, Memphis, Fort Sully, and New Orleans, wind N., gentle; Lynchburg, Wilmington, and Toronto, wind W., gentle; Saint Louis, Marquette, and Savannah, wind NW., gentle; Omaha, wind SW., gentle; Baltimore, Buffalo, Dover, Norfolk, and Saugeen, wind W., fresh; Philadelphia, wind NW., fresh; Chicago, Davenport, La Crosse, Keokuk, Yankton, Louisville, and Toledo, wind SW., fresh.

(2.) *Fair.*—At Portland, Oreg., and Shreveport, calm; Pembina, wind NW., light; Cheyenne, wind N., light; New London, wind NW., gentle; Breckenridge, wind NE., gentle; Detroit, Washington, and Saint Paul, wind W., gentle; San Francisco, wind SW., gentle; Rochester, wind W., fresh; Indianapolis, wind SW., fresh.

(3.) *Cloudy.*—At Burlington, wind W., light; Portland, Me., wind NW., light; Duluth, wind NW., gentle; Escanaba, wind N., gentle; Kingston and Milwaukee, wind W., gentle; Cincinnati, Montreal, and San Diego, wind W., fresh; Boston, Denver, and Oswego, wind NW., fresh; New York, wind SW., fresh; Santa Fé, wind S., fresh; Cleveland, wind W., brisk.

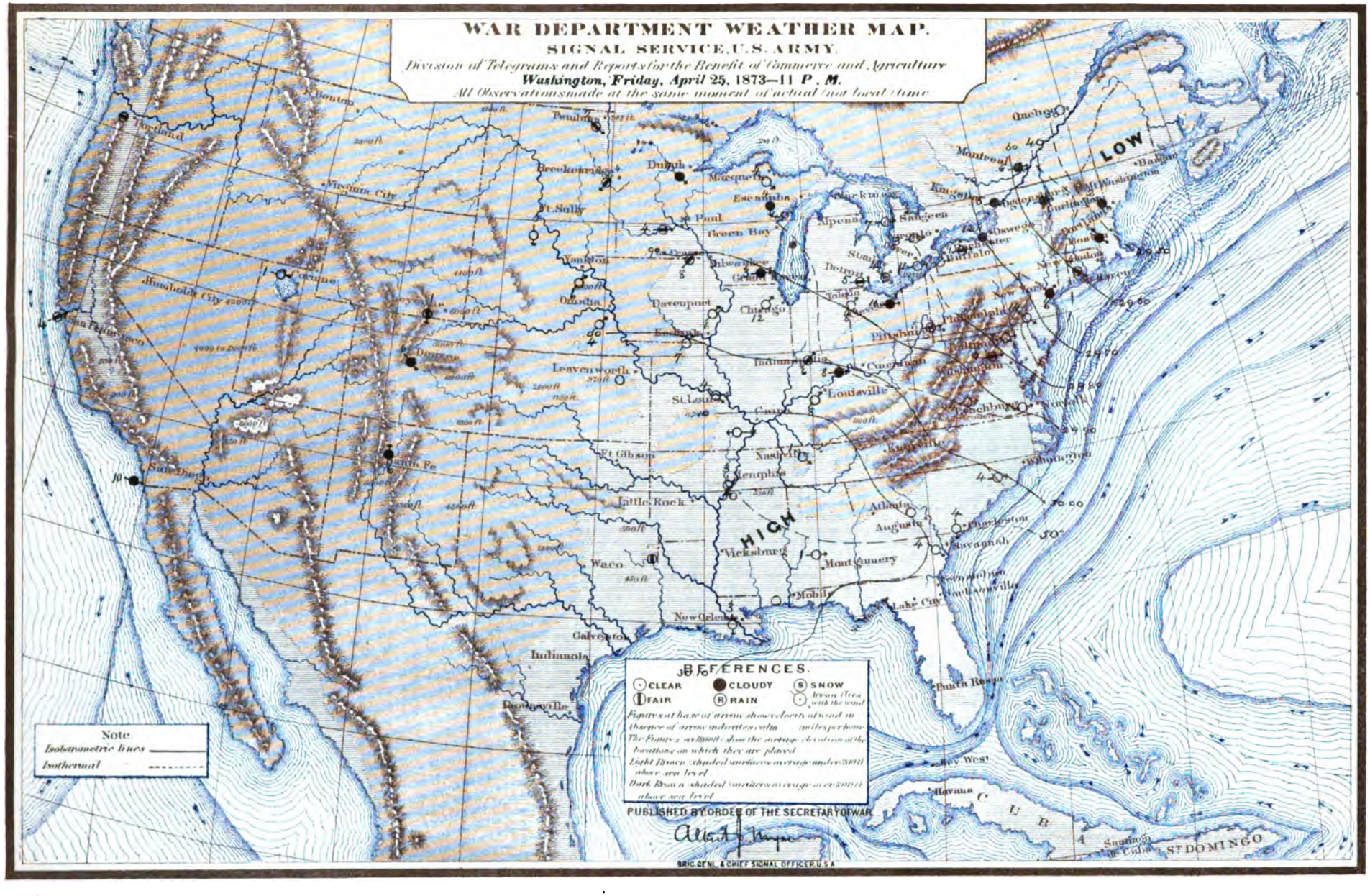
(4.) *Snowy.*—At Pittsburgh, wind W., gentle; Stanley, wind NW., gentle.

GENERAL REMARKS AS TO VERIFICATIONS.

The above "Probabilities" were generally verified, except "the barometer fall on Saturday throughout New England," and "Ohio Valley, rising barometer," partly verified; "the barometer fall on Saturday throughout the Lake region and New York," not verified.

METEOROLOGICAL RECORD, APRIL 25, 1873—11 P. M.

Place of observation.	Barometer.	Thermometer.	Relative humidity, per cent.	Wind.		Clouds.			Rain-fall in last 8 hours.	State of the weather.
				Direction.	Velocity.	Amount of lower.	Amount of upper.	Direction of upper.		
*Alpena, Mich	29.84	30	78	W.	7	1-4	0	.....	.01	Fair.
Augusta, Ga	30.11	49	50	Calm.	0	0	0	.....	.....	Clear.
Baltimore, Md	29.80	42	58	W.	8	Hazy..	0	.....	.....	Clear.
Boston, Mass	29.54	43	51	N. W.	6	4-4	.....	.....	.....	Cloudy.
Breckenridge, Minn	29.95	40	82	N. E.	4	4-4	.....	.....	.....	Fair.
Buffalo, N. Y	29.72	36	80	W.	8	0	0	.....	.05	Clear.
Burlington, Vt	29.57	40	64	W.	1	4-4	.....	.....	.....	Threatening.
Cairo, Ill	30.12	43	57	E.	4	0	0	.....	.....	Clear.
*Cape May, N. J	29.73	40	91	N. W.	24	4-4	.....	.....	.10	Heavy rain.
Charleston, S. C	30.05	54	61	N.	4	0	0	.....	.....	Clear.
Cheyenne, Wyo	29.82	28	65	N.	1	1-4	0	.....	.....	Fair.
Chicago, Ill	29.96	41	65	S. W.	12	0	1-4	W.	.....	Clear.
Cincinnati, Ohio	30.07	40	64	W.	8	4-4	.....	.....	.01	Cloudy.
Cleveland, Ohio	29.86	40	65	W.	16	4-4	.....	.....	.....	Threatening.
Corinne, Utah	29.92	42	34	W.	1	0	0	.....	.....	Clear.
Davenport, Iowa	29.97	45	58	S. W.	6	0	0	.....	.....	Clear.
Denver, Colo	29.91	35	80	N. W.	6	4-4	.....	.....	.....	Cloudy.
Detroit, Mich	29.85	35	80	W.	5	1-4	0	.....	.....	Fair.
Duluth, Minn	29.81	45	38	N. W.	4	4-4	.....	.....	.....	Cloudy.
*Eastport, Me	29.51	36	100	S.	2	4-4	.....	.....	.....	Foggy.
Escanaba, Mich	.....	33	80	N.	4	4-4	.....	.....	.....	Cloudy.
*Fort Benton, Mont	29.98	42	66	Calm.	0	0	2-4	N. W.	.....	Fair.
*Fort Garry, Manitoba	29.92	39	79	N.	1	0	0	.....	.....	Clear.
*Fort Gibson, Ind. T	30.20	46	62	N. W.	6	Hazy..	2-4	.....	.....	Cloudy.
Fort Sully, Dak	29.95	46	19	N.	5	0	0	.....	.....	Clear.
*Galveston, Tex	30.15	61	61	S. E.	4	0	0	.....	.....	Clear.
*Grand Haven, Mich	29.87	35	69	S. W.	4	0	0	.....	.....	Clear.
Indianapolis, Ind	30.03	40	64	S. W.	6	1-4	0	.....	.....	Fair.
*Indianola, Tex	30.17	59	65	S. E.	6	0	0	.....	.....	Clear.
*Jacksonville, Fla	30.06	58	53	N. W.	4	0	0	.....	.....	Clear.
Keokuk, Iowa	30.08	45	61	S. W.	7	0	0	.....	.....	Clear.
*Key West, Fla	30.03	77	72	N. W.	11	4-4	.....	.....	.....	Threatening.
Kingston, Canada	29.69	33	73	W.	5	4-4	.....	.....	.....	Cloudy.
*Knoxville, Tenn	30.10	42	41	N.	12	0	Hazy..	.....	.....	Clear.
La Crosse, Wis	29.95	46	47	S. W.	6	1-4	.....	.....	.....	Clear.
*Lake City, Fla	30.04	54	53	N.	3	0	0	.....	.....	Clear.
Leavenworth, Kans	30.06	41	57	Calm.	0	0	0	.....	.....	Clear.
Louisville, Ky	30.10	41	57	S. W.	8	0	0	.....	.....	Clear.
Lynchburg, Va	29.94	39	55	W.	4	0	0	.....	.....	Clear.
Marquette, Mich	29.86	30	78	N. W.	4	0	0	.....	.....	Clear.
Memphis, Tenn	30.17	48	42	N.	3	0	0	.....	.....	Clear.
Milwaukee, Wis	29.87	43	59	W.	3	4-4	0	.....	.....	Cloudy.
Mobile, Ala	30.14	55	50	Calm.	0	0	0	.....	.....	Clear.
Montgomery, Ala	30.11	53	42	W.	1	0	0	.....	.....	Clear.
Montreal, Canada	29.53	42	74	W.	6	4-4	.....	.....	.07	Cloudy.
*Mount Washington, N. H	29.56	20	85	S. E.	5	4-4	.....	.....	.02	Cloudy.
Nashville, Tenn	30.16	42	58	N. W.	1	0	0	.....	.....	Clear.
New London, Conn	29.59	40	48	N. W.	4	2-4	Hazy..	.....	.....	Fair.
New Orleans, La	30.11	59	57	N.	3	0	0	.....	.....	Clear.
New York, N. Y	29.67	44	60	S. W.	6	2-4	2-4	.....	.....	Cloudy.
Norfolk, Va	29.97	41	78	W.	8	0	0	.....	.02	Clear.
Omaha, Nebr	30.03	45	83	S. W.	4	0	0	.....	.....	Clear.
Oswego, N. Y	29.69	37	80	N. W.	12	4-4	.....	.....	.....	Cloudy.
Pembina, Dak	29.95	32	79	N. W.	2	2-4	.....	.....	.....	Fair.
Philadelphia, Pa	29.72	41	69	N. W.	14	1-4	0	.....	.....	Clear.
Pittsburgh, Pa	29.90	35	80	W.	5	4-4	.....	.....	.....	Light snow.
Port Dover, Canada	29.84	32	79	W.	11	0	0	.....	.10	Clear.
Port Stanley, Canada	29.87	33	87	N. W.	4	4-4	.....	.....	.....	Light snow.
Portland, Me	29.49	43	58	N. W.	2	2-4	0	.....	.....	Cloudy.
Portland, Oreg	29.79	55	62	Calm.	0	Hazy..	Hazy..	.....	.....	Fair.
*Punta Rassa, Fla	30.05	69	70	N. W.	11	0	0	.....	.01	Clear.
Quebec, Canada	29.45	35	100	Calm.	0	0	0	.....	.....	Clear.
Rochester, N. Y	29.73	35	79	W.	9	1-4	0	.....	.....	Fair.
San Diego, Cal	30.00	58	62	W.	18	4-4	.....	.....	.....	Cloudy.
San Francisco, Cal	29.92	54	68	S. W.	4	2-4	0	.....	.....	Fair.
Santa Fé, N. Mex	29.66	44	52	S.	6	4-4	.....	.....	.....	Cloudy.
Saugeen, Canada	29.81	34	79	W.	7	1-4	0	.....	.....	Clear.
Savannah, Ga	30.07	54	48	N. W.	4	0	0	.....	.....	Clear.
Shreveport, La	30.12	54	55	Calm.	0	0	2-4	W.	.....	Fair.
Saint Louis, Mo	30.10	41	56	N. W.	4	Hazy..	0	.....	.....	Clear.
Saint Paul, Minn	29.87	45	53	W.	4	2-4	.....	.....	.....	Fair.
Toledo, Ohio	29.91	39	64	S. W.	8	1-4	0	.....	.....	Clear.
Toronto, Canada	29.97	33	76	W.	3	1-4	0	.....	.....	Clear.
*Vicksburg, Miss	30.17	54	25	N. E.	6	0	0	.....	.....	Clear.
Virginia City, Mont	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Washington, D. C	29.84	40	56	W.	4	2-4	0	.....	.04	Fair.
Wilmington, N. C	30.02	44	79	W.	4	0	0	.....	.....	Clear.
Yankton, Dak	29.08	39	85	S. W.	6	0	0	.....	.....	Clear.


WAR DEPARTMENT WEATHER MAP.
SIGNAL SERVICE, U.S. ARMY.
Division of Telegrams and Reports for the Benefit of Commerce and Agriculture
Washington, Friday, April 25, 1873—11 P. M.
All Observations made at the same moment of actual (not local) time.
LOW
HIGH
Portland
Boston
Virginia City
Humboldt City
San Francisco
San Diego
Denver
Santa Fe
Omaha
Leavenworth
Yankton
Dubuque
Duluth
Marquette
Escanaba
Green Bay
Milwaukee
Chicago
Detroit
Toledo
Cleveland
Buffalo
Oswego
Albany
Montreal
Quebec
Portland
Boston
New York
Philadelphia
Washington
Pittsburg
Cincinnati
Louisville
Indianapolis
St. Louis
Cairo
Nashville
Memphis
Little Rock
Fort Gibson
Waco
Galveston
Indianola
Brownsville
New Orleans
Mobile
Vicksburg
Montgomery
Augusta
Atlanta
Charleston
Savannah
Jacksonville
Key West
Havana
Punta Rassa
Lake City
REFERENCES.
CLEAR
CLOUDY
SNOW
FAIR
RAIN
Figures at base of arrow show velocity of wind in miles per hour
Absence of arrow indicates calm
The Figures without show the average elevation of the barometer on which they are placed
Light Brown shaded surfaces average under 500 ft above sea level
Dark Brown shaded surfaces average over 500 ft above sea level
Note.
Isobarometric lines
Isothermal
PUBLISHED BY ORDER OF THE SECRETARY OF WAR
BRIG. GENL. & CHIEF SIGNAL OFFICER, U.S.A.

WASHINGTON, D. C.,
FRIDAY, *April* 25, 1873—11 *p. m.*

SYNOPSIS.

The barometer has risen over the Gulf and South Atlantic States, with prevailing northerly and northwesterly winds and generally clear weather. An area of low temperature now extends, with westerly winds and partly cloudy weather, over the Lower Lakes and Middle States, and with occasional snow on Lake Erie and in Western Pennsylvania. The pressure has decreased in Canada and in New England, with threatening weather and northwesterly winds. Clear weather, with lower barometer and northwesterly to southwesterly winds, in the Mississippi and Ohio Valleys. Partly cloudy weather and southwesterly winds on the Pacific coast.

PROBABILITIES.

The temperature will probably increase in the Northwest, and thence gradually eastward over the Lake region and to the Ohio Valley during the day. For the Northwest and the Upper Lake region, and thence to the Lower Missouri and Lower Ohio Valleys, southwesterly and southeasterly winds, diminishing pressure, and partly cloudy weather. For the Western Gulf States and Tennessee, southerly winds and generally clear weather. For the Eastern Gulf and South Atlantic States, clear weather, light variable winds, and higher pressures. For the Lower Lakes and Middle States, partly cloudy weather, clearing in the afternoon, except in New York, with light northwesterly winds and low temperature, increasing by Sunday. For New England and Canada, low temperature, occasional rain, and cloudy weather, clearing by Sunday.

FACTS—7.35 A. M., (*following the above "Probabilities."*)

WIND AND WEATHER.

(1.) *Clear.*—At Corinne, wind N., light; Charleston and Duluth, wind NE., gentle; Saint Paul, wind SW., gentle; Cincinnati and Norfolk, wind W., fresh; Wilmington and Stanley, wind NW., fresh; Pittsburgh, Indianapolis, and Saint Louis, wind SW., fresh; Lake City, Punta Rassa, and New Orleans, wind NE., fresh; Breckenridge, wind N., fresh; Cape May, wind NW., brisk; Kingston, wind W., brisk.

(2.) *Fair.*—At Nashville, calm; Savannah, wind N., light; Knoxville, wind NW., light; Memphis, wind SE., light; Omaha, wind S., gentle; Augusta, wind NW., gentle; Boston, Cheyenne, Jacksonville, Pembina, and Washington, wind NW., fresh; Alpena, Buffalo, Dover, Toronto, and Baltimore, wind W., fresh; Davenport, Keokuk, and Louisville, wind SW., fresh; Key West, wind N., brisk; New London and Philadelphia, wind NW., brisk; New York, wind W., brisk; Toledo, wind SW., brisk.

(3.) *Cloudy.*—At San Francisco, calm; Burlington, wind S., light; Mobile, wind N., light; Fort Gibson, wind NE., light; Grand Haven, wind SW., gentle; Galveston, wind SE., gentle; Montgomery, wind NE., gentle; La Crosse, Portland, Me., Rochester, and Saugeen, wind NW., fresh; Cleveland, Chicago, and Lynchburg, wind SW., fresh; Milwaukee, wind W., fresh; Shreveport, wind E., fresh; Oswego, wind NW., brisk.

(4.) *Rainy.*—At Quebec, calm; Montreal, wind W., gentle.

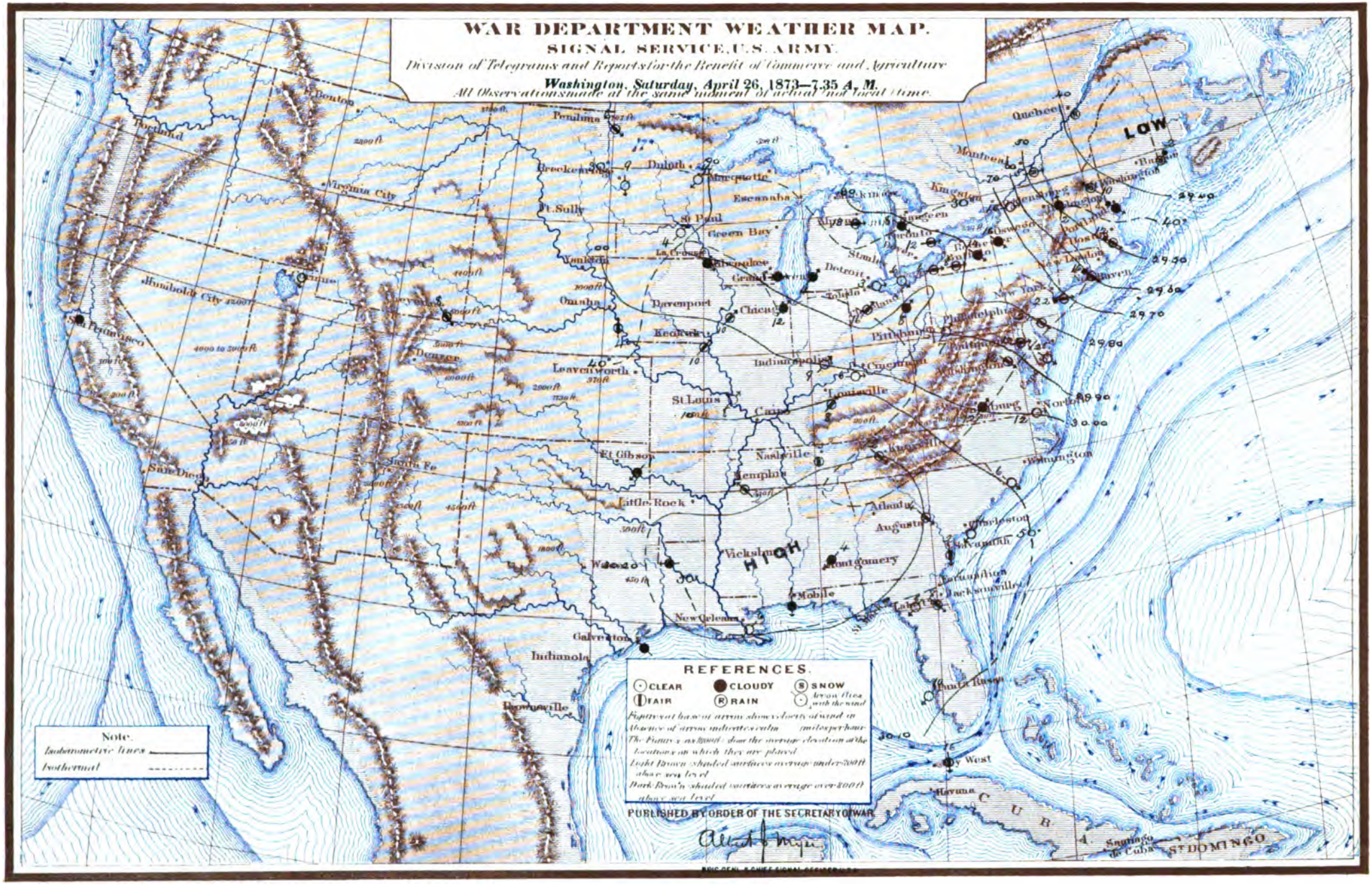
(5.) *Snowy.*—At Eastport, wind NE., light.

GENERAL REMARKS AS TO VERIFICATIONS.

The above "Probabilities" were generally verified, except "for the Eastern Gulf and South Atlantic States, light winds," and "for the Lower Lakes and Middle States, light winds," partly verified.

METEOROLOGICAL RECORD, APRIL 26, 1873—7.35 A. M.

Place of observation.	Barometer.	Thermometer.	Relative humidity, per cent.	Wind.		Clouds.			Rain-fall in last 8 hours.	State of the weather.
				Direction.	Velocity.	Amount of lower.	Amount of upper.	Direction of upper.		
Alpena, Mich	29.86	29	77	W.	13	1-4	0	.....	.....	Fair.
Augusta, Ga	30.19	46	69	N. W.	4	0	2-4	W.	.....	Fair.
Baltimore, Md	29.90	43	43	W.	12	Smoky	1-4	N. W.	.....	Fair.
Boston, Mass	29.52	43	51	N. W.	12	Hazy..	2-4	.....	.....	Fair.
Breckenridge, Minn	29.98	33	80	N.	9	0	0	.....	.....	Clear.
Buffalo, N. Y	29.77	40	73	W.	8	0	2-4	W.	.....	Fair.
Burlington, Vt	29.54	43	58	S.	2	4-4	.....	.....	.....	Cloudy.
*Cairo, Ill	30.16	45	53	S.	2	Hazy..	1-4	.....	.....	Fair.
Cape May, N. J	29.84	41	65	N. W.	25	0	0	.....	.14	Clear.
Charleston, S. C	30.16	51	46	N. E.	4	0	1-4	.....	.....	Clear.
Cheyenne, Wyo	29.82	25	62	N. W.	8	0	2-4	.....	.....	Fair.
Chicago, Ill	29.98	41	57	S. W.	12	1-4	4-4	.....	.....	Cloudy.
Cincinnati, Ohio	30.11	42	74	W.	6	Smoky	0	.....	.....	Clear.
Cleveland, Ohio	29.89	38	81	S. W.	8	2-4	2-4	S. W.	.....	Cloudy.
Corinne, Utah	29.91	24	.....	N.	3	0	0	.....	.....	Clear.
Davenport, Iowa	30.01	40	64	S. W.	10	1-4	Hazy..	.....	.....	Fair.
*Denver, Colo	29.90	32	90	Calm.	0	0	1-4	W.	.....	Fair.
Detroit, Mich	29.88	39	64	W.	3	Hazy..	Hazy..	.....	.....	Clear.
Duluth, Minn	29.91	37	55	N. E.	4	0	0	.....	.....	Clear.
Eastport, Me	29.40	35	100	N. E.	2	4-4	.....	.....	.....	Sleet.
*Escanaba, Mich	.....	30	78	N.	4	2-4	0	.....	.....	Fair.
*Fort Benton, Mont	29.97	36	71	N. W.	2	4-4	.....	.....	.....	Cloudy.
Fort Garry, Manitoba	29.91	25	87	N. E.	4	0	0	.....	.....	Clear.
Fort Gibson, Ind. T	30.19	41	74	N. E.	1	2-4	2-4	S. W.	.....	Cloudy.
*Fort Sully, Dak	30.01	30	46	Calm.	0	0	0	.....	.....	Fair.
*Galveston, Tex	30.12	62	57	S. E.	4	0	4-4	S. W.	.....	Cloudy.
Grand Haven, Mich	29.87	41	65	S. W.	4	4-4	.....	.....	.....	Cloudy.
Indianapolis, Ind	30.05	40	64	S. W.	9	0	0	.....	.....	Clear.
*Indianola, Tex	30.13	63	56	S. E.	7	2-4	2-4	W.	.....	Cloudy.
Jacksonville, Fla	30.15	58	52	N. W.	8	0	Hazy..	.....	.....	Fair.
Keokuk, Iowa	30.04	46	54	S. W.	10	Hazy..	2-4	N. W.	.....	Fair.
Key West, Fla	30.05	73	67	N.	16	Hazy..	2-4	W.	.....	Fair.
Kingston, Canada	29.76	38	68	W.	16	0	1-4	W.	.....	Clear.
Knoxville, Tenn	30.24	35	79	N. W.	2	Hazy..	0	.....	.....	Fair.
La Crosse, Wis	29.93	43	67	N. W.	6	2-4	2-4	N. W.	.....	Cloudy.
Lake City, Fla	30.14	54	43	N. E.	5	0	0	.....	.....	Clear.
*Leavenworth, Kans	30.06	38	63	Calm.	0	4-4	.....	.....	.....	Cloudy.
Louisville, Ky	30.14	41	57	S. W.	8	Smoky	Hazy..	.....	.....	Fair.
Lynchburg, Va	30.01	40	56	S. W.	12	4-4	.....	.....	.....	Cloudy.
*Marquette, Mich	29.88	32	59	N. W.	4	0	1-4	.....	.....	Fair.
Memphis, Tenn	30.20	.....	.....	S. E.	2	Smoky	2-4	S. E.	.....	Fair.
Milwaukee, Wis	29.89	39	73	W.	8	3-4	1-4	N. W.	.....	Cloudy.
Mobile, Ala	30.22	50	71	N.	1	2-4	2-4	N.	.....	Cloudy.
Montgomery, Ala	30.23	47	48	N. E.	4	4-4	.....	.....	.....	Cloudy.
Montreal, Canada	29.46	39	81	W.	5	4-4	.....	.....	.11	Light rain.
Mount Washington, N. H	29.46	20	85	S. E.	10	4-4	.....	.....	.05	Light snow.
Nashville, Tenn	30.21	39	64	Calm.	0	Smoky	1-4	W.	.....	Fair.
New London, Conn	29.60	42	56	N. W.	16	0	2-4	S. E.	.....	Fair.
New Orleans, La	30.18	55	49	N. E.	6	0	0	.....	.....	Clear.
New York, N. Y	29.72	43	51	W.	22	Smoky	2-4	W.	.....	Fair.
Norfolk, Va	30.02	44	63	W.	12	0	0	.....	.....	Clear.
Omaha, Nebr	30.03	39	64	S.	4	1-4	1-4	.....	.....	Fair.
Oswego, N. Y	29.76	36	80	N. W.	16	4-4	.....	.....	.....	Cloudy.
Pembina, Dak	29.99	36	87	N. W.	6	0	Hazy..	.....	.....	Fair.
Philadelphia, Pa	29.82	41	56	N. W.	20	Hazy..	1-4	N. W.	.....	Fair.
Pittsburgh, Pa	29.96	39	81	S. W.	7	Smoky	0	.....	.....	Clear..
Port Dover, Canada	29.91	34	79	W.	6	0	1-4	W.	.....	Fair.
Port Stanley, Canada	29.91	34	76	N. W.	6	0	0	.....	.01	Clear.
Portland, Me	29.43	43	59	N. W.	8	2-4	2-4	.....	.01	Cloudy.
*Portland, Oreg	29.88	46	69	S. E.	5	Hazy..	Hazy..	.....	.....	Clear.
Punta Rassa, Fla	30.10	63	61	N. E.	10	Smoky	0	.....	.....	Clear.
Quebec, Canada	29.38	37	100	Calm.	0	4-4	.....	.....	.04	Light rain.
Rochester, N. Y	29.79	36	75	N. W.	14	1-4	.....	.....	.....	Cloudy.
*San Diego, Cal	29.99	56	68	S. W.	2	4-4	.....	.....	.....	Cloudy.
San Francisco, Cal	29.92	52	72	Calm.	0	4-4	.....	.....	.....	Cloudy.
*Santa Fé, N. Mex	29.66	39	54	N.	1	1-4	0	.....	.....	Fair.
Saugeen, Canada	29.86	34	79	N. W.	8	1-4	4-4	N. W.	.....	Cloudy.
Savannah, Ga	30.18	51	64	N.	2	Smoky	2-4	W.	.....	Fair.
*Shreveport, La	30.16	51	53	E.	6	0	3-4	W.	.....	Cloudy.
Saint Louis, Mo	30.10	41	64	S. W.	8	Smoky	0	.....	.....	Clear.
Saint Paul, Minn	29.89	41	56	N. W.	4	0	0	.....	.....	Clear.
Toledo, Ohio	29.88	46	62	S. W.	16	Smoky	1-4	S. W.	.....	Fair.
Toronto, Canada	29.81	37	69	W.	12	1-4	1-4	W.	.....	Fair.
*Vicksburg, Miss	30.22	49	42	E.	6	0	Hazy..	.....	.....	Fair.
Virginia City, Mont	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Washington, D. C	29.93	43	59	N. W.	12	0	1-4	N. W.	.....	Fair.
Wilmington, N. C	30.12	46	54	N. W.	6	0	0	.....	.....	Clear.
*Yankton, D. T	29.94	40	52	S. W.	11	0	0	.....	.....	Clear.


WAR DEPARTMENT WEATHER MAP.
SIGNAL SERVICE, U.S. ARMY.
Division of Telegrams and Reports for the Benefit of Commerce and Agriculture
Washington, Saturday, April 26, 1873—7.35 A. M.
All Observations made at the same moment of actual not local time.
LOW
HIGH
REFERENCES.
CLEAR
CLOUDY
SNOW
FAIR
RAIN
Note.
Barometric lines
Isothermal
PUBLISHED BY ORDER OF THE SECRETARY OF WAR.
Portland
Boston
Quebec
Montreal
Duluth
Marquette
Escanaba
Green Bay
St Paul
Milwaukee
Chicago
Detroit
Toledo
Cleveland
Buffalo
Oswego
Albany
New York
Philadelphia
Baltimore
Washington
Pittsburg
Cincinnati
Louisville
Indianapolis
St Louis
Cairo
Nashville
Memphis
Knoxville
Atlanta
Augusta
Charleston
Savannah
Jacksonville
Mobile
New Orleans
Galveston
Vicksburg
Montgomery
Little Rock
Ft Gibson
Leavenworth
Omaha
Davenport
Keokuk
Denver
Santa Fe
San Francisco
San Diego
Virginia City
Ft Sully
Pembina
Breckenridge
Humboldt City
Key West
Havana
CUBA
St DOMINGO
Santiago de Cuba

WASHINGTON, D. C.,
SATURDAY, *April* 26, 1873—7.35 *a. m.*

SYNOPSIS.

The barometer has risen over the Gulf and South Atlantic States, with low temperature, partly cloudy weather, and northerly winds. The pressure has diminished in the Northwest and on the Upper Lakes, with increased temperature, northwesterly to southwesterly winds, partly cloudy weather, and occasional light rain. Northwesterly to southwesterly winds, partly cloudy and clearing weather, with slowly increasing temperature, prevail from the Lower Lakes to the Lower Ohio Valley. Low temperatures, southwesterly to northwesterly winds, partly cloudy weather in the Middle States. Occasional rain and sleet, cloudy weather, and northwesterly winds in New England and Canada, with low temperature.

PROBABILITIES.

The temperature will remain low in the Atlantic States generally during the day, but it will increase through the Mississippi Valley and in the Southwest. For the Northwest and Upper Lakes, and thence to Missouri and Kentucky, northwesterly and southwesterly winds, generally clearing weather, and diminishing pressure. For the Western Gulf States, northeasterly to southeasterly winds, partly cloudy and warmer weather. For Tennessee, the Eastern Gulf and South Atlantic States, light westerly winds, veering to northeasterly, with partly cloudy weather. For the Lower Lakes and Middle States, partly cloudy and clearing weather, southwesterly and northwesterly winds, the temperature increasing by Sunday. For Canada and New England, northwesterly winds, cold, cloudy weather, with occasional rain, generally clearing away by to-morrow.

Cautionary signals are ordered for New York, New Haven, New London, Wood's Hole, Boston, Portland, Me., and Eastport.

FACTS—4.35 P. M., (*following the above "Probabilities."*)

WIND AND WEATHER.

(1.) *Clear.*—At Savannah, wind SW., gentle; Punta Rassa, Pembina, and Wilmington, wind NW., fresh; Duluth, wind NE., fresh; Charleston and Vicksburg, wind S., fresh; Saugeen, wind W., fresh; Cape May, wind W., brisk.

(2.) *Fair.*—At Louisville, calm; Portland, Oreg., wind SE., light; Cheyenne, wind S., light; Montgomery, wind NW., light; Stanley, wind SW., light; Augusta, wind N., gentle; Denver, wind SE., gentle; Lake City, wind E., gentle; Leavenworth and Nashville, wind S., gentle; Grand Haven, Pittsburgh, and Buffalo, wind W., gentle; Portland, Me., Indianapolis, and San Francisco, wind SW., fresh; Jacksonville and Fort Gibson, wind E., fresh; Dover, Lynchburg, Saint Paul, and Breckenridge, wind NW., fresh; Key West, wind NE., fresh; Knoxville, Mobile, Corinne, and Saint Louis, wind S., fresh; New Orleans and Shreveport, wind SE., fresh; Milwaukee, Cincinnati, and Norfolk, wind W., fresh; La Crosse, wind N., fresh; Davenport, wind SW., brisk; Baltimore, wind W., brisk; Philadelphia, wind NW., brisk.

(3.) *Cloudy.*—At Eastport and Santa Fé, wind SW., light; Memphis, wind W., light; Marquette, wind N., gentle; Omaha, wind SW., gentle; Burlington, wind NW., gentle; San Diego, Chicago, and Keokuk, wind SW., fresh; Cairo, wind E., fresh; Galveston and Indianola, wind SE., fresh; Cleveland, Montreal, Detroit, and Rochester, wind W., fresh; Alpena and Escanaba, wind S., fresh; New London and Yankton, wind NW., fresh; Boston, Toronto, and Washington, wind NW., brisk; Kingston, New York, and Oswego, wind W., brisk; Toledo, wind SW., brisk; Fort Sully, wind S., brisk.

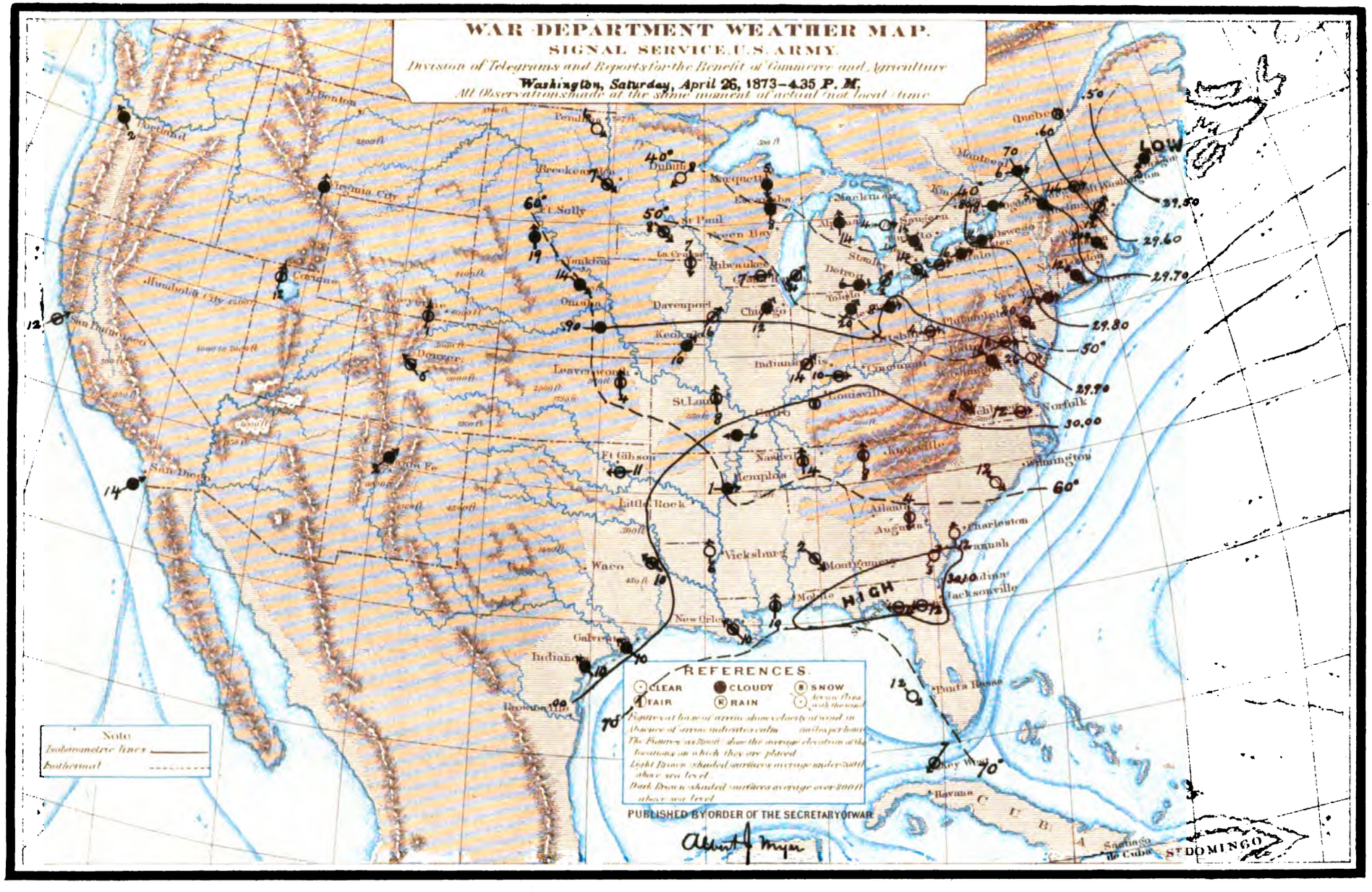
(4.) *Rainy.*—At Quebec, calm.

GENERAL REMARKS AS TO VERIFICATIONS.

The above "Probabilities" were generally verified, except "for Tennessee, the Eastern Gulf and South Atlantic States, light winds, veering to northeasterly," and "for New England, northwesterly winds," partly verified; "cautionary signals for New York, New Haven, New London, Wood's Hole, Boston, Portland, Me., and Eastport," not verified.

METEOROLOGICAL RECORD, APRIL 26, 1873—4.35 P. M.

Place of observation.	Barometer.	Thermometer.	Relative humidity, per cent.	Wind.		Clouds.			Rain-fall in last 8 hours.	State of the weather.
				Direction.	Velocity.	Amount of lower.	Amount of upper.	Direction of upper.		
Alpena, Mich	29.90	35	70	S.	14	4-4	0	.....	.....	Cloudy.
Augusta, Ga	30.08	66	19	N.	4	0	1-4	W.	.....	Fair.
Baltimore, Md	29.91	55	26	W.	16	Smoky	2-4	N. W.	.....	Fair.
Boston, Mass	29.57	49	44	N. W.	20	2-4	2-4	N. W.	.....	Cloudy.
Breckenridge, Minn	29.90	47	48	N. W.	7	0	1-4	N. W.	.....	Fair.
Buffalo, N. Y	29.83	41	74	W.	4	0	2-4	W.	.....	Fair.
Burlington, Vt	29.63	43	58	N. W.	5	4-4	.....	.....	.01	Threatening.
Cairo, Ill	30.04	57	36	E.	7	4-4	.....	.....	.....	Cloudy.
Cape May, N. J	29.88	51	43	W.	26	0	0	.....	.....	Clear.
Charleston, S. C	30.10	61	40	S.	12	Hazy..	0	.....	.....	Clear.
Cheyenne, Wyo	29.76	52	6	S.	1	0	1-4	W.	.....	Fair.
Chicago, Ill	29.90	57	30	S. W.	12	2-4	1-4	W.	.....	Cloudy.
Cincinnati, Ohio	30.02	57	41	W.	10	Smoky	1-4	S. W.	.....	Fair.
Cleveland, Ohio	29.92	41	91	W.	8	4-4	.....	.....	.06	Threatening.
Corinne, Utah	29.83	59	.....	S.	12	0	1-4	.....	.....	Fair.
Davenport, Iowa	29.90	59	43	S. W.	16	Hazy..	2-4	W.	.....	Fair.
Denver, Colo	29.83	53	31	S. E.	5	0	1-4	W.	.....	Fair.
Detroit, Mich	29.86	44	68	W.	6	0	4-4	W.	.27	Cloudy.
Duluth, Minn	29.87	46	46	N. E.	8	0	0	.....	.....	Clear.
Eastport, Me	29.35	45	76	S. W.	2	2-4	2-4	N. W.	.06	Cloudy.
Escanaba, Mich	.....	42	66	S.	8	4-4	.....	.....	.....	Cloudy.
*Fort Benton, Mont	29.89	45	46	N. W.	10	0	4-4	S. W.	.....	Cloudy.
Fort Garry, Manitoba	29.86	45	31	N. W.	6	1-4	1-4	.....	.....	Fair.
Fort Gibson, Ind. T	29.98	67	29	E.	11	Hazy..	2-4	W.	.....	Fair.
Fort Sully, Dak	29.78	62	18	S.	19	1-4	3-4	S. W.	.....	Cloudy.
Galveston, Tex	30.01	69	56	S. E.	10	4-4	.....	.....	.....	Cloudy.
Grand Haven, Mich	29.87	49	50	S. W.	4	1-4	0	.....	.....	Fair.
Indianapolis, Ind	29.96	59	32	S. W.	14	0	2-4	W.	.....	Fair.
Indianola, Texas	30.00	66	79	S. E.	10	4-4	.....	.....	.....	Cloudy.
Jacksonville, Fla	30.12	66	36	E.	12	Hazy..	Hazy..	.....	.....	Fair.
Keokuk, Iowa	29.94	59	38	S. W.	10	Hazy..	Hazy..	.....	.....	Cloudy.
Key West, Fla	30.03	77	52	N. E.	7	Hazy..	Hazy..	.....	.....	Fair.
Kingston, Canada	29.79	45	61	W.	18	3-4	1-4	.....	.....	Cloudy.
Knoxville, Tenn	30.04	59	23	S.	8	Hazy..	2-4	W.	.....	Fair.
La Crosse, Wis	29.88	55	33	N.	7	Smoky	2-4	N. W.	.....	Fair.
Lake City, Fla	30.08	70	20	E.	4	2-4	Hazy..	.....	.....	Fair.
Leavenworth, Kans	29.92	59	23	S.	4	2-4	Hazy..	.....	.....	Fair.
Louisville, Ky	30.00	58	32	Calm.	0	1-4	1-4	N. W.	.....	Fair.
Lynchburg, Va	29.98	65	33	N. W.	8	0	1-4	N. W.	.....	Fair.
Marquette, Mich	29.93	37	62	N.	5	1-4	3-4	N.	.....	Cloudy.
Memphis, Tenn	30.07	60	24	W.	1	2-4	2-4	W.	.....	Cloudy.
Milwaukee, Wis	29.84	56	45	W.	7	1-4	2-4	W.	.....	Fair.
Mobile, Ala	30.10	70	40	S.	10	0	2-4	N. W.	.....	Fair.
Montgomery, Ala	30.09	65	22	N. W.	2	0	2-4	W.	.....	Fair.
Montreal, Canada	29.53	49	78	W.	1	0	4-4	W.	.12	Cloudy.
Mount Washington, N. H	29.51	22	73	W.	46	4-4	.....	.....	.09	Light snow.
Nashville, Tenn	30.05	61	21	S.	4	0	2-4	W.	.....	Fair.
New London, Conn	29.65	47	50	N. W.	12	0	4-4	N. W.	.....	Cloudy.
New Orleans, La	30.05	69	42	S. E.	10	0	2-4	W.	.....	Fair.
New York, N. Y	29.78	49	37	W.	17	2-4	2-4	S. W.	.....	Cloudy.
Norfolk, Va	30.02	56	35	W.	12	0	2-4	W.	.....	Fair.
Omaha, Nebr	29.91	58	42	S. W.	4	2-4	2-4	.....	.....	Cloudy.
Oswego, N. Y	29.81	40	63	W.	16	4-4	.....	.....	.....	Cloudy.
Pembina, Dak	29.90	44	37	N. W.	6	0	0	.....	.....	Clear.
Philadelphia, Pa	29.84	50	26	N. W.	20	0	3-4	N. W.	.....	Fair.
Pittsburgh, Pa	29.95	48	63	W.	4	Hazy..	1-4	W.	.04	Fair.
Port Dover, Canada	29.70	43	59	N. W.	14	0	2-4	N. W.	.....	Fair.
Port Stanley, Canada	29.92	43	81	S. W.	2	0	2-4	S. W.	.....	Fair.
Portland, Me	29.44	53	36	S. W.	12	0	1-4	N. W.	.....	Fair.
Portland, Oreg	29.86	65	44	S. E.	2	0	1-4	.....	.....	Fair.
Punta Rassa, Fla	30.05	73	59	N. W.	12	Smoky	0	.....	.....	Clear.
Quebec, Canada	29.45	45	92	Calm.	0	4-4	.....	.....	.20	Heavy rain.
Rochester, N. Y	29.84	43	48	W.	16	4-4	.....	.....	.....	Cloudy.
San Diego, Cal	30.01	61	52	S. W.	14	0	4-4	W.	.....	Cloudy.
San Francisco, Cal	29.96	63	52	S. W.	12	2-4	0	.....	.....	Fair.
Santa Fé, N. Mex	29.61	59	63	S. W.	2	2-4	1-4	S. W.	.....	Cloudy.
Saugeen, Canada	29.89	40	64	W.	4	1-4	0	.....	.....	Clear.
Savannah, Ga	30.09	67	24	S. W.	3	Smoky	0	.....	.....	Clear.
Shreveport, La	29.97	71	25	S. E.	10	Smoky	0	.....	.....	Fair.
Saint Louis, Mo	29.98	59	23	S.	8	Smoky	Hazy..	.....	.....	Fair.
Saint Paul, Minn	29.82	55	65	N. W.	8	0	2-4	N. W.	.....	Fair.
Toledo, Ohio	29.85	52	53	S. W.	20	1-4	3-4	S. W.	.07	Cloudy.
Toronto, Canada	29.94	45	65	N. W.	15	0	4-4	N. W.	.....	Cloudy.
Vicksburg, Miss	30.04	70	25	S.	6	0	Hazy..	S.	.....	Clear.
Virginia City, Mont	29.53	45	46	S.	.....	3-4	1-4	W.	.....	Cloudy.
Washington, D. C	29.95	53	31	N. W.	16	1-4	2-4	N. W.	.....	Threatening.
Wilmington, N. C	30.05	63	27	N. W.	12	0	1-4	N. W.	.....	Clear.
Yankton, Dak	29.80	63	56	N. W.	14	0	4-4	S.	.....	Cloudy.


WAR DEPARTMENT WEATHER MAP.
SIGNAL SERVICE, U.S. ARMY.
Division of Telegrams and Reports for the Benefit of Commerce and Agriculture
Washington, Saturday, April 26, 1873—4.35 P. M.
All Observations made at the same moment of actual (not local) time
LOW
HIGH
REFERENCES.
CLEAR
CLOUDY
SNOW
FAIR
RAIN
Note
Isobarometric lines
Isothermal
PUBLISHED BY ORDER OF THE SECRETARY OF WAR
Albert J. Myer

WASHINGTON, D. C.,
SATURDAY, *April* 26, 1873—4.35 *p. m.*

SYNOPSIS.

The temperature has increased over the entire country west of the Alleghanies and Lake Erie. In the Northwest and over the Upper Lakes, and thence to the Lower Ohio and Lower Missouri Valley, generally warmer and partly cloudy weather, diminished pressure, and northwesterly to southwesterly winds have prevailed since the last report. For the Western Gulf States, the Southwest, Arkansas, and Tennessee, southeasterly and southerly winds, diminishing pressure, and partly cloudy weather. For the Eastern Gulf and South Atlantic States, northwesterly and southwesterly winds and slightly increased temperature, with clear weather. For the Lower Lakes and the Middle States, fresh westerly and northwesterly winds, partly cloudy weather, and low temperatures. For New England and Canada, occasional rain, cloudy weather, northwesterly winds, and low temperature. No important change in the rivers is reported.

PROBABILITIES.

The temperature will generally increase to-morrow, except in the Eastern States. For the Northwest and Upper Lakes and southward to Arkansas and Tennessee, diminishing pressure and southwesterly winds and partly cloudy weather. For the Gulf States, southeasterly winds, rising temperature, and partly cloudy weather, with possibly occasional rain, in the Western Gulf. For the South Atlantic States, generally fair and warmer weather, with light southerly winds. For the Lower Lakes and Middle States, southwesterly winds, slowly rising temperature, and generally clear weather. For Canada and New England, light northwesterly winds, partly cloudy weather, clearing in the evening, with slightly higher temperature.

Cautionary signals continue at New York, New London, New Haven, Wood's Hole, Boston, Portland, Me., and Eastport.

FACTS—11 P. M., (*following the above "Probabilities."*)

WIND AND WEATHER.

(1.) *Clear.*—At Augusta, Cairo, Louisville, Nashville, Duluth, and Pembina, calm; Montreal and Saugeen, wind W., light; Memphis, wind NW., light; Toledo, wind NE., light; Detroit and Washington, wind W., gentle; New London, Philadelphia, and Toronto, wind NW., gentle; New Orleans, wind E., gentle; Buffalo, Lynchburg, Keokuk, and Indianapolis, wind SW., gentle; Baltimore, Rochester, and Saint Paul, wind W., fresh; Cleveland, Norfolk, Omaha, Cincinnati, Yankton, and San Francisco, wind SW., fresh; Chicago, wind S., fresh; New York, wind W., high.

(2.) *Fair.*—At Montgomery, calm; Denver and San Diego, wind SW., light; Leavenworth, wind S., light; La Crosse and Milwaukee, wind S., gentle; Savannah and Oswego, wind W., gentle; Cheyenne, wind SE., fresh; Boston and Dover, wind NW., fresh; Portland, Me., Davenport, and Saint Louis, wind SW., fresh.

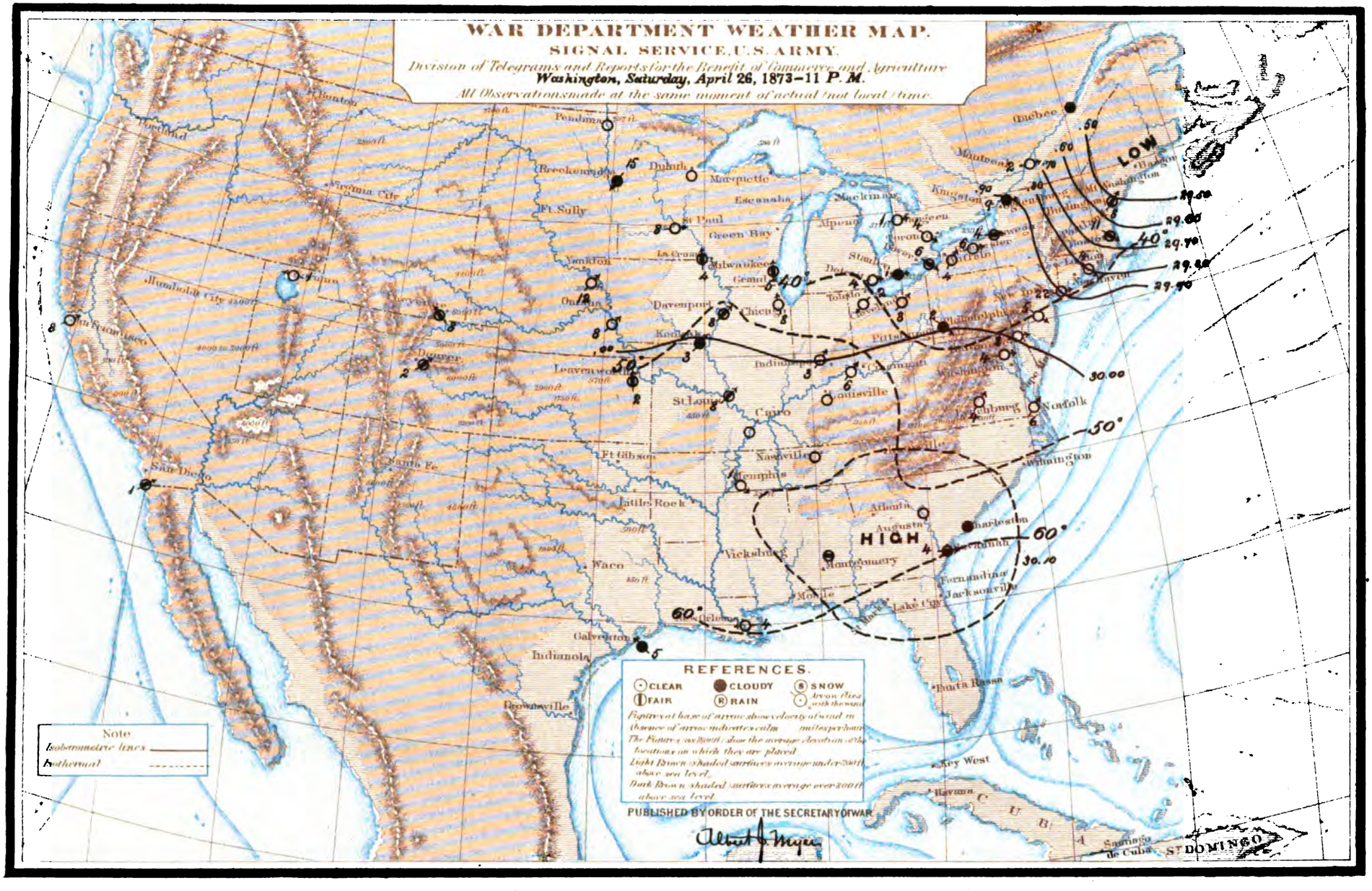
(3.) *Cloudy.*—At Charleston and Quebec, calm; Stanley, wind W., light; Pittsburgh, wind NW., light; Galveston, wind SE., gentle; Kingston, wind W., fresh; Breckenridge, wind NE., brisk.

GENERAL REMARKS AS TO VERIFICATIONS.

The above "Probabilities" were generally verified, except "for the Northwest and Upper Lakes and southward to Arkansas, diminishing pressure and southwesterly winds and partly cloudy weather," "for the South Atlantic States, light northerly winds," and "for the Middle States, southwesterly winds," partly verified; "for New England, light winds," and "cautionary signals at New York, New London, New Haven, Wood's Hole, Boston, Portland, Me., and Eastport," not verified.

METEOROLOGICAL RECORD, APRIL 26, 1873—11 P. M.

Place of observation.	Barometer.	Thermometer.	Relative humidity, per cent.	Wind.		Clouds.			Rain-fall in last 8 hours.	State of the weather.
				Direction.	Velocity.	Amount of lower.	Amount of upper.	Direction of upper.		
*Alpena, Mich	29.99	29	77	W.	4	0	0			Clear.
Augusta, Ga	30.12	56	45	Calm.	0	0	0			Clear.
Baltimore, Md	30.02	45	61	W.	8	0	0			Clear.
Boston, Mass	29.71	43	59	N. W.	11	0	2-4	N. W.		Fair.
Breckenridge, Minn	29.92	44	79	N. E.	15	4-4	Hazy			Cloudy.
Buffalo, N. Y	29.90	36	80	S. W.	4	0	0			Clear.
*Burlington, Vt	29.71	40	72	N. W.	5	4-4				Threatening.
Cairo, Ill	30.07	54	59	Calm.	0	Hazy	0			Clear.
*Cape May, N. J	29.98	45	76	N. W.	16	0	0			Clear.
Charleston, S. C	30.15	60	65	Calm.	0	4-4				Cloudy.
Cheyenne, Wyo	29.76	40	39	S. E.	8	2-4				Fair.
Chicago, Ill	29.97	48	63	S.	8	0	1-4			Clear.
Cincinnati, Ohio	30.08	52	53	S. W.	6	0	Hazy			Clear.
Cleveland, Ohio	29.98	39	82	S. W.	8	0	1-4	W.	.20	Clear.
Corinne, Utah	29.77	48	28	E.	1	0	0			Clear.
Davenport, Iowa	29.98	52	53	S. W.	8	2-4	0			Fair.
Denver, Colo	29.81	45	61	S. W.	2	1-4	0			Fair.
Detroit, Mich	29.97	41	82	W.	4	0	0		.02	Clear.
Duluth, Minn	29.93	34	71	Calm.	0	0	0			Clear.
*Eastport, Me	29.46	39	82	W.	4	0	2-4			Fair.
*Escanaba, Mich		34	62	N.	8	0	0			Clear.
*Fort Benton, Mont	29.89	38	72	Calm.	0	0	1-4	S. W.		Fair.
Fort Garry, Manitoba	29.78	33	70	N. W.	1	1-4	0			Fair.
*Fort Gibson, Ind. T	30.02	58	32	E.	18	0	0			Clear.
*Fort Sully, Dak	29.83	48	40	E.	6	0	0			Clear.
Galveston, Tex	30.01	68	79	S. E.	5	4-4				Cloudy.
*Grand Haven, Mich	29.94	38	54	Calm.	0	0	0			Clear.
Indianapolis, Ind	30.03	49	57	S. W.	3	0	0			Clear.
*Indianola, Tex	30.00	68	66	S. E.	10	4-4				Cloudy.
*Jacksonville, Fla	30.16	57	63	S. E.	2	0	0			Clear.
Keokuk, Iowa	30.04	50	58	S. W.	3	0	0			Clear.
*Key West, Fla	30.10	75	56	Calm.	0	Fog				Fair.
Kingston, Canada	29.90	40	64	W.	9	4-4				Cloudy.
*Knoxville, Tenn	30.07	51	38	S.	1	4-4				Cloudy.
La Crosse, Wis	29.97	45	61	S.	4	1-4				Fair.
*Lake City, Fla	30.14	57	62	S. E.	8	0	0			Clear.
Leavenworth, Kans	29.98	49	57	S.	2	0	Hazy			Fair.
Louisville, Ky	30.09	54	55	Calm.	0	0	0			Clear.
Lynchburg, Va	30.06	44	52	S. W.	4	0	0			Clear.
*Marquette, Mich	30.02	33	80	N.	4	0	0			Clear.
Memphis, Tenn	30.14	53	48	N. W.	1	Smoky	0			Clear.
Milwaukee, Wis	29.91	43	75	S.	5	1-4	2-4			Fair.
*Mobile, Ala	30.14	61	60	Calm.	0	0	0			Clear.
Montgomery, Ala	30.13	52	66	Calm.	0	Smoky	0			Fair.
Montreal, Canada	29.66	43	73	W.	2	0	0			Clear.
*Mount Washington, N. H	29.69	20	85	W.	70	4-4			.15	Heavy snow.
Nashville, Tenn	30.10	55	47	Calm.	0	0	0			Clear.
New London, Conn	29.91	40	61	N. W.	4	0	0			Clear.
New Orleans, La	30.07	60	70	E.	4	0	0			Clear.
New York, N. Y	29.91	43	51	W.	22	0	0			Clear.
Norfolk, Va	30.09	47	62	S. W.	6	0	0			Clear.
Omaha, Nebr	29.99	46	73	S. W.	8	0	0			Clear.
Oswego, N. Y	29.90	25	81	W.	4	1-4	Hazy			Fair.
Pembina, Dak	29.91	35	69	Calm.	0	0	0			Clear.
Philadelphia, Pa	29.98	47	34	N. W.	5	0	0			Clear.
Pittsburgh, Pa	30.06	39	91	N. W.	2	4-4			.34	Cloudy.
Port Dover, Canada	29.96	30	80	N. W.	6	0	2-4	N. W.		Fair.
Port Stanley, Canada	29.99	36	95	W.	1	0	4-4	W.		Cloudy.
Portland, Me	29.58	39	72	S. W.	8	1-4				Fair.
*Portland, Oreg	29.89	38	72	Calm.	0	0	2-4	S. W.		Fair.
*Punta Rassa, Fla	30.19	67	73	N. E.	2	0	0			Clear.
Quebec, Canada	29.44	37	100	Calm.	0	4-4			.02	Cloudy.
Rochester, N. Y	29.94	35	75	W.	6	0	0			Clear.
San Diego, Cal	30.02	57	76	W.	1	0	1-4	W.		Fair.
San Francisco, Cal	29.98	55	80	W.	8	0	0			Clear.
*Santa Fé, N. Mex	29.60	48	22	N. E.	7	1-4	Hazy			Hazy.
Saugeen, Canada	29.98	32	72	W.	1	0	0			Clear.
Savannah, Ga	30.16	59	53	W.	4	2-4	0			Fair.
*Shreveport, La	30.01	60	55	S. E.	4	0	0			Clear.
Saint Louis, Mo	30.05	52	40	S. W.	8	Hazy	Hazy			Fair.
Saint Paul, Minn	29.82	44	60	W.	8	0	0			Clear.
Toledo, Ohio	29.98	44	83	N. E.	2	1-4	0			Clear.
Toronto, Canada	29.95	33	89	N. W.	4	0	0			Clear.
*Vicksburg, Miss	30.08	58	41	E.	8	0	0			Clear.
Virginia City, Mont										
Washington, D. C	30.05	48	63	W.	4	0	0		.01	Clear.
Wilmington, N. C										
Yankton, D. T	29.91	46	83	S. W.	12	0	0			Clear.


WAR DEPARTMENT WEATHER MAP.
SIGNAL SERVICE, U.S. ARMY.
Division of Telegrams and Reports for the Benefit of Commerce and Agriculture
Washington, Saturday, April 26, 1873—11 P.M.
All Observations made at the same moment of actual (not local) time.
LOW
HIGH
REFERENCES.
CLEAR
CLOUDY
SNOW
FAIR
RAIN
Arrow flies with the wind
Figures at base of arrow show velocity of wind in miles per hour
Absence of arrow indicates calm
The Figures (as 3000) show the average elevation of the locations on which they are placed
Light Brown shaded surfaces average under 2000 ft above sea level
Dark Brown shaded surfaces average over 2000 ft above sea level
Note
Isobarometric lines
Isothermal
PUBLISHED BY ORDER OF THE SECRETARY OF WAR
Albert J. Myer
Portland
Boston
Pembina
Duluth
Marquette
Escanaba
Mackinaw
Quebec
Montreal
Kingston
Toronto
Buffalo
Cleveland
Detroit
Alpena
Green Bay
Milwaukee
Chicago
Ft. Sully
Yankton
Omaha
Davenport
Keokuk
Leavenworth
Denver
Humboldt City
Virginia City
Sacramento
San Francisco
San Diego
Santa Fe
Ft. Gibson
Little Rock
Waco
Galveston
Indianola
Brownsville
New Orleans
Vicksburg
Memphis
Nashville
St. Louis
Cairo
Louisville
Indianapolis
Pittsburgh
Philadelphia
Washington
Baltimore
Norfolk
Atlanta
Augusta
Savannah
Charleston
Montgomery
Mobile
Fernandina
Jacksonville
Lake City
Key West
Havana
Santiago de Cuba
Puerto Rico
ST. DOMINGO
CUBA

WASHINGTON, D. C.,
SATURDAY, *April* 26, 1873—11 *p. m.*

SYNOPSIS.

The temperature remains low in Canada and New England, with westerly and northwesterly winds, fair weather, and occasional light rain. For the Lower Lakes and the Middle States, low temperatures, partly cloudy weather, with occasional rain in Western Pennsylvania, and northwesterly to southwesterly winds brisk on the coast. In the Gulf and South Atlantic States the temperature has slightly increased, with generally clear or partly cloudy weather and southeasterly to southwesterly winds. In the Mississippi and Ohio Valleys and thence to the Northwest and Upper Lakes, southwesterly winds, fair weather, and slightly increased temperatures.

PROBABILITIES.

The temperature will probably continue to increase very generally through the country. For New England and Canada, partly cloudy weather, rising barometer, and light northwesterly winds. For the Lower Lakes and Middle States, clearing weather, the temperature slowly increasing, with northwesterly winds, veering to-night to southwesterly. For the Gulf and South Atlantic States and Tennessee, southeasterly and southwesterly winds and generally clear, warmer weather. For the Ohio Valley and thence northward and westward to Iowa and Kansas, southwesterly winds, clear weather, and rising temperature.

Reports are missing from the Upper Lakes and the Northwest.

FACTS—7.35 A. M., (*following the above "Probabilities."*)

WIND AND WEATHER.

(1.) *Clear.*—At Duluth, Yankton, Chicago, Keokuk, Mobile, and Dover, calm; Memphis, wind E., light; Davenport, wind SE., light; Indianapolis, wind SW., light; Burlington, Corinne, and Pittsburgh, wind NW., gentle; Lake City and Saint Louis, wind SE., gentle; Cleveland, wind SW., gentle; Cincinnati, wind S., gentle; Milwaukee, wind W., gentle; Quebec, wind NE., gentle; Baltimore and Toronto, wind NW., fresh; New York and Stanley, wind W., fresh.

(2.) *Fair.*—At Augusta, Buffalo, Detroit, Lynchburg, Louisville, Nashville, Omaha, and Savannah, calm; Saugeen and Toledo, wind SW., light; Key West, wind E., light; Montgomery, wind NE., light; Fort Sully and Punta Rassa, wind E., gentle; San Francisco, wind SW., gentle; Jacksonville, wind NE., gentle; New London, Philadelphia, Portland, Me., and Washington, wind NW., fresh; Norfolk, wind SW., fresh; Indianola, wind SE., fresh.

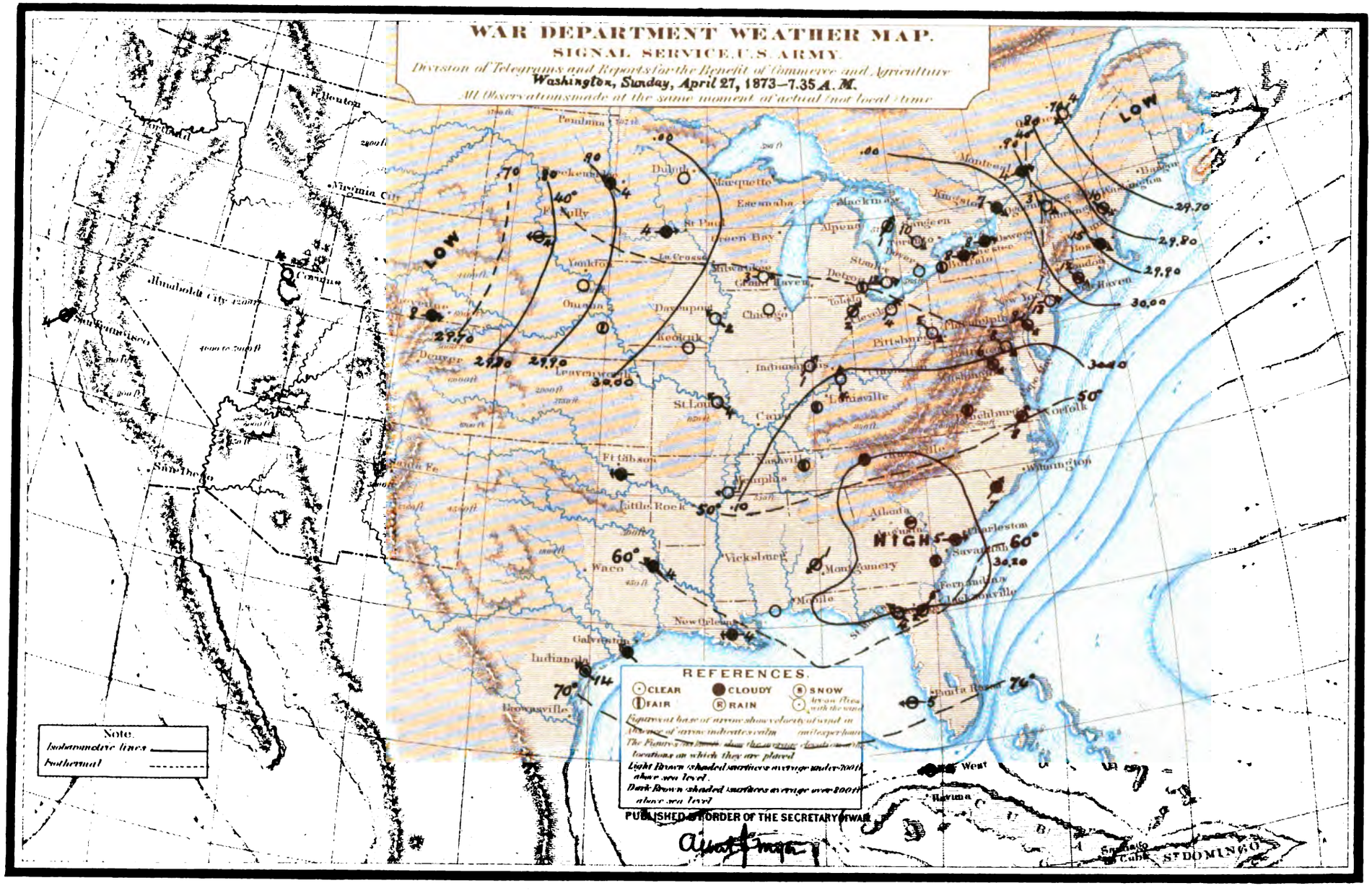
(3.) *Cloudy.*—At Knoxville, calm; Breckenridge and Shreveport, wind SE., gentle; New Orleans, wind E., gentle; Charleston, Montreal, and Saint Paul, wind W., gentle; Kingston, wind NW., fresh; Wilmington, wind SW., fresh; Cheyenne, Rochester, and Oswego, wind W., fresh; Fort Gibson, wind E., fresh; Boston, wind NW., brisk.

GENERAL REMARKS AS TO VERIFICATIONS.

The above "Probabilities" were generally verified, except "for New England, light winds," "for the Gulf States and Tennessee, generally clear weather," and "for the Ohio Valley and thence westward to Iowa and Kansas, southwesterly winds, clear weather, and rising temperature," partly verified.

METEOROLOGICAL RECORD, APRIL 27, 1873—7.35 A. M.

Place of observation.	Barometer.	Thermometer.	Relative humidity, per cent.	Wind.		Clouds.			Rain-fall in last 8 hours.	State of the weather.
				Direction.	Velocity.	Amount of lower.	Amount of upper.	Direction of upper.		
*Alpena, Mich	30.01	32	69	Calm.	0	0	1-4	S. W.	.....	Fair.
Augusta, Ga	30.23	58	47	Calm.	0	0	2-4	W.	.....	Fair.
Baltimore, Md	30.11	49	33	N. W.	8	0	1-4	N. W.	.....	Clear.
Boston, Mass	29.83	45	53	N. W.	15	2-4	1-4	S. W.	.....	Cloudy
Breckenridge, Minn	29.96	37	90	S. E.	4	1-4	4-4	S. W.	.....	Cloudy.
Buffalo, N. Y	30.02	44	68	Calm.	0	Fog...	1-4	N. W.	.....	Fair.
Burlington, Vt	29.88	43	50	N. W.	3	0	0	.....	.....	Clear.
*Cairo, Ill	30.01	52	59	S. E.	4	Hazy..	Hazy..	.....	.....	Fair.
*Cape May, N. J	30.10	46	54	W.	12	0	0	.....	.....	Clear.
Charleston, S. C	30.19	60	60	W.	5	Smoky	4-4	W.	.....	Cloudy.
Cheyenne, Wyo	29.68	38	63	W.	8	2-4	2-4	.....	.....	Cloudy.
Chicago, Ill	30.05	47	62	Calm.	0	0	0	.....	.....	Clear.
Cincinnati, Ohio	30.16	47	70	S.	4	Smoky	0	.....	.....	Clear.
Cleveland, Ohio	30.07	42	83	S. W.	4	0	0	.....	.....	Clear.
Corinne, Utah	29.87	31	.....	N. W.	4	0	0	.....	.....	Clear.
Davenport, Iowa	30.03	46	62	S. W.	2	Smoky	0	.....	.....	Clear.
*Denver, Colo	29.78	41	65	Calm.	0	0	0	.....	.....	Clear.
Detroit, Mich	30.03	40	86	Calm.	0	Fog...	Hazy..	.....	.....	Fair.
Duluth, Minn	30.00	34	70	Calm.	0	1-4	1-4	.....	.....	Clear.
*Eastport, Me	29.60	45	68	N. W.	8	0	3-4	N. W.	.01	Fair.
*Escanaba, Mich	.....	28	88	N. E.	8	4-4	.....	.....	.....	Cloudy.
*Fort Benton, Mont	29.90	32	79	Calm.	0	0	2-4	S. W.	.....	Fair.
*Fort Garry, Manitoba	29.85	27	95	Calm.	0	0	0	.....	.....	Clear.
*Fort Gibson, Ind. T	29.97	53	48	E.	12	Hazy..	4-4	S.	.....	Cloudy.
Fort Sully, Dak	29.85	41	65	E.	4	1-4	2-4	.....	.....	Fair.
*Galveston, Tex	29.98	69	84	S. E.	8	2-4	2-4	N. W.	.....	Cloudy.
*Grand Haven, Mich	29.97	48	63	S. E.	3	0	0	.....	.....	Clear.
Indianapolis, Ind	30.10	49	56	S. W.	1	0	0	.....	.....	Clear.
Indianola, Tex	29.98	69	90	S. E.	14	0	2-4	W.	.....	Fair.
Jacksonville, Fla	30.19	62	72	N. E.	5	Fog ...	0	.....	.....	Fair.
Keokuk, Iowa	30.04	47	62	Calm.	0	Hazy..	0	.....	.....	Clear.
Key West, Fla	30.00	76	65	E.	2	Hazy..	2-4	W.	.....	Fair.
Kingston, Canada	30.05	39	73	N. W.	7	4-4	.....	.....	.....	Cloudy.
Knoxville, Tenn	30.21	49	66	Calm.	0	4-4	.....	.....	.....	Cloudy.
*La Crosse, Wis	30.05	38	81	S.	2	Smoky	1-4	.....	.....	Smoky.
Lake City, Fla	30.17	61	70	S. E.	4	0	0	.....	.....	Clear.
*Leavenworth, Kans	29.94	44	68	S. E.	2	4-4	.....	.....	.....	Threatening.
Louisville, Ky	30.14	48	56	Calm.	0	Smoky	Hazy..	.....	.....	Fair.
Lynchburg, Va	30.16	45	61	Calm.	0	0	2-4	W.	.....	Fair.
*Marquette, Mich	30.04	30	78	Calm.	0	0	0	.....	.....	Clear.
Memphis, Tenn	30.13	47	55	E.	1	Smoky	0	.....	.....	Clear.
Milwaukee, Wis	29.99	43	67	W.	3	Fog ...	Hazy..	.....	.....	Clear.
Mobile, Ala	30.19	56	80	Calm.	0	0	0	.....	.....	Clear.
Montgomery, Ala	30.18	48	77	N. E.	1	Smoky	1-4	.....	.....	Fair.
Montreal, Canada	29.83	41	85	W.	4	2-4	2-4	W.	.....	Cloudy.
*Mount Washington, N. H	29.66	20	85	W.	65	4-4	.....	.....	.20	Cloudy.
Nashville, Tenn	30.18	49	57	Calm.	0	Smoky	2-4	W.	.....	Fair.
New London, Conn	29.92	47	41	N. W.	12	0	1-4	N. W.	.....	Fair.
New Orleans, La	30.09	64	78	E.	4	4-4	.....	.....	.....	Cloudy.
New York, N. Y	30.01	43	51	W.	15	1-4	1-4	.....	.....	Clear.
Norfolk, Va	30.17	52	52	S. W.	8	0	2-4	.....	.....	Fair.
Omaha, Nebr	29.98	40	82	Calm.	0	Smoky	1-4	.....	.....	Fair.
Oswego, N. Y	30.02	38	75	W.	8	4-4	.....	.....	.....	Cloudy.
*Pembina, Dak	29.89	36	84	S. E.	2	1-4	0	.....	.....	Fair.
Philadelphia, Pa	30.08	45	64	N. W.	9	Smoky	2-4	N. W.	.....	Fair.
Pittsburgh, Pa	30.11	42	83	N. W.	5	0	1-4	W.	.07	Clear.
Port Dover, Canada	30.09	38	63	Calm.	0	0	0	.....	.....	Clear.
Port Stanley, Canada	30.10	35	84	W.	12	0	0	.....	.....	Clear.
Portland, Me	29.73	48	56	N. W.	10	1-4	1-4	.....	.....	Fair.
*Portland, Oreg	29.96	50	71	S. E.	2	4-4	.....	.....	.....	Cloudy.
Punta Rassa, Fla	30.13	70	86	E.	5	Hazy..	1-4	W.	.....	Fair.
Quebec, Canada	29.64	47	62	N. E.	4	1-4	0	.....	.....	Clear.
Rochester, N. Y	30.04	36	71	W.	8	4-4	.....	.....	.....	Cloudy.
*San Diego, Cal	30.00	55	79	N. E.	4	4-4	.....	.....	.....	Cloudy.
San Francisco, Cal	30.03	50	79	S. W.	4	1-4	0	.....	.....	Fair.
*Santa Fé, N. Mex	29.62	42	19	Calm.	0	1-4	1-4	S. W.	.....	Cloudy.
Saugeen, Canada	30.06	39	38	S. W.	1	0	2-4	W.	.....	Fair.
Savannah, Ga	30.22	57	63	Calm.	0	Smoky	2-4	W.	.....	Fair.
Shreveport, La	30.01	60	71	S. E.	4	4-4	.....	.....	.....	Cloudy.
Saint Louis, Mo	30.07	49	50	S. E.	4	Hazy..	0	.....	.....	Clear.
Saint Paul, Minn	29.94	39	64	W.	4	0	0	.....	.....	Clear.
Toledo, Ohio	30.03	49	77	S. W.	2	2-4	0	.....	.....	Fair.
Toronto, Canada	30.06	40	59	N. W.	10	0	0	.....	.01	Clear.
*Vicksburg, Miss	30.15	50	68	E.	10	0	Hazy..	.....	.....	Fair.
Virginia City, Mont	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Washington, D. C	30.13	48	56	N. W.	6	1-4	Hazy..	.....	.....	Fair.
Wilmington, N. C	30.18	58	64	S. W.	7	2-4	2-4	W.	.....	Cloudy.
Yankton, Dak	29.92	43	69	Calm.	0	0	0	.....	.....	Clear.


WAR DEPARTMENT WEATHER MAP.
SIGNAL SERVICE, U.S. ARMY.
Division of Telegrams and Reports for the Benefit of Commerce and Agriculture
Washington, Sunday, April 27, 1873—7.35 A. M.
All Observations made at the same moment of actual (not local) time
LOW
HIGHS
REFERENCES.
CLEAR
CLOUDY
SNOW
FAIR
RAIN
Note.
Isobarometric lines
Isothermal
PUBLISHED BY ORDER OF THE SECRETARY OF WAR

WASHINGTON, D. C.,
SUNDAY, *April* 27, 1873—7.35 *a. m.*

SYNOPSIS.

The temperature remains low in the Lake region and Canada, but has increased generally over the other sections. The pressure is highest in the Eastern Gulf and South Atlantic States, but is diminishing in the Western Gulf. Slowly increasing temperature, diminishing pressure, southeasterly to southwesterly winds, and clear weather now prevail in the Northwest, and thence over the Western Lakes and southward to the Lower Ohio Valley and Missouri. Westerly and northwesterly winds and partly cloudy but clearing weather and slightly increased pressure prevail in Canada and New England.

PROBABILITIES.

The temperature will probably continue to increase slowly in all sections east of the Missouri and Mississippi Rivers. For the Northwest and Upper Lakes, southward to Arkansas, slowly decreasing pressure, southeasterly to southwesterly winds, and generally clear weather, becoming partly cloudy to-night. For the Gulf States, diminishing pressure, southeasterly winds, partly cloudy weather, and slowly increasing cloudiness and higher temperature. For the South Atlantic States, partly cloudy and clear weather, southeasterly and southwesterly winds, slowly diminishing pressure. For the Lower Lake region and the Middle States, southwesterly to northwesterly winds and generally clearing weather, with occasional slight cloudiness, slowly increasing temperature, and slightly diminishing pressure. For Canada and New England, light northwesterly winds and clearing weather, with slightly increased pressure.

Reports are missing from the Southwest, and Oregon, and Montana Territory.

FACTS—4.35 P. M., (*following the above "Probabilities."*)

WIND AND WEATHER.

(1.) *Clear.*—At Stanley, wind SE., light; Buffalo, wind SW., gentle; Cleveland and Saugeen, wind NW., gentle; Charleston and Indianapolis, wind SW., fresh; Montreal, wind NW., fresh; Escanaba, wind S., fresh; Marquette, wind E., fresh.

(2.) *Fair.*—At Louisville, calm; Milwaukee, wind SE., light; Duluth, wind NE., gentle; Augusta and Cincinnati, wind SW., gentle; Lake City and Montgomery, wind SE., gentle; Lynchburg, wind N., gentle; Nashville, wind E., gentle; Burlington, Baltimore, Cape May, Cheyenne, Kingston, Rochester, Philadelphia, and Washington, wind NW., fresh; Oswego, Punta Rassa, San Francisco, and Toledo, wind W., fresh; Key West and Lake City, wind SE., fresh; Mobile, Dover, Toronto, Indianola, Corinne, Savannah, and Wilmington, wind S., fresh; Norfolk and Boston, wind N., fresh; New London, Portland, Me., and New York, wind NW., brisk; Breckenridge and Saint Louis, wind SE., brisk.

(3.) *Cloudy.*—At Pittsburgh, wind W., light; Chicago, wind E., fresh; Knoxville, wind N., fresh; Memphis, Shreveport, and La Crosse, wind S., fresh; Galveston and Keokuk, wind SE., fresh; Fort Gibson, wind E., fresh; Saint Paul, wind SW., fresh; Omaha, wind SE., brisk; Davenport, wind SW., brisk; Denver, wind NW., high.

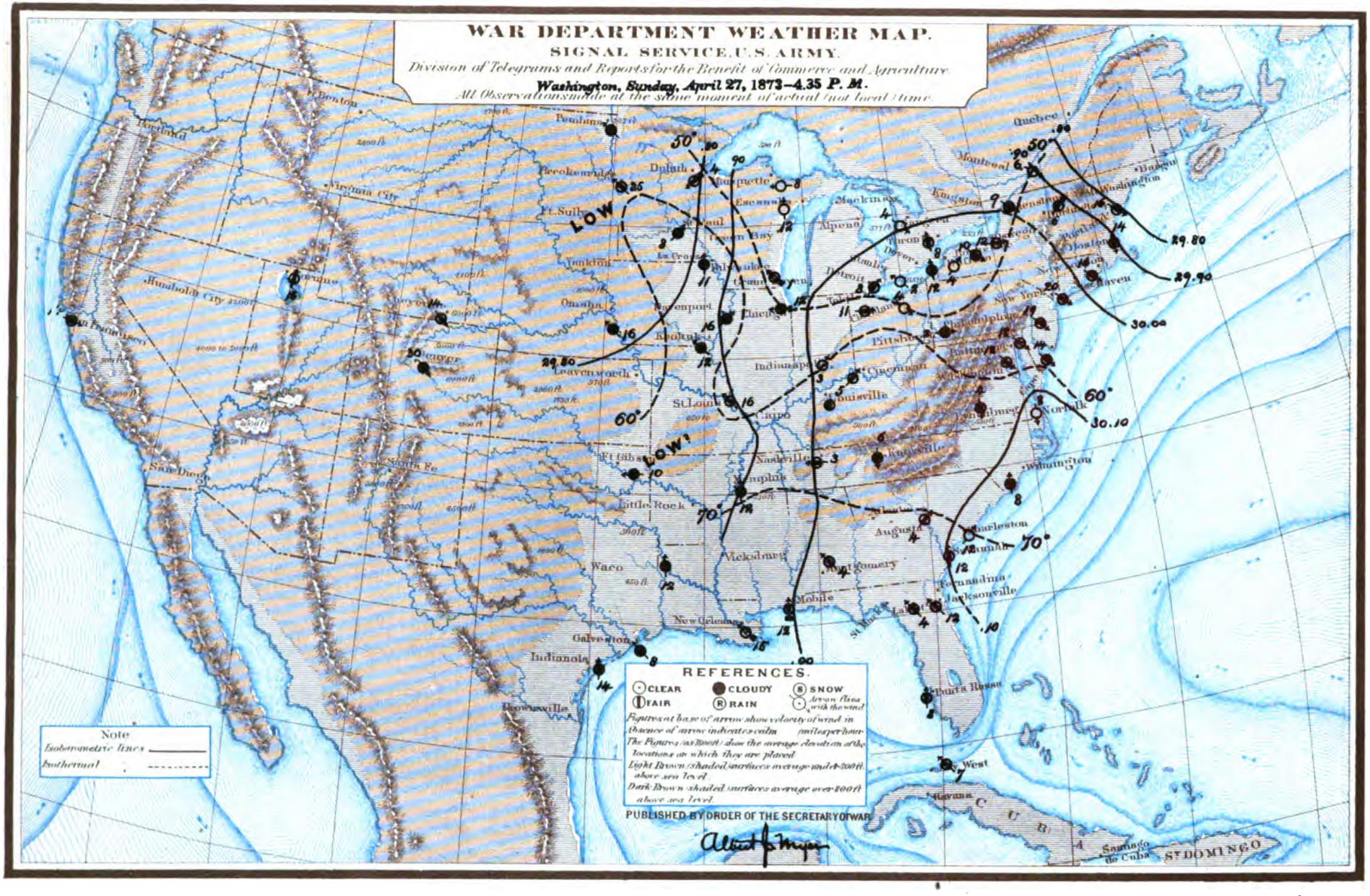
(4.) *Rainy.*—At New Orleans, wind SE., brisk.

GENERAL REMARKS AS TO VERIFICATIONS.

The above "Probabilities" were generally verified, except "for the Northwest and southward to Arkansas, clear weather, becoming partly cloudy to-night," "for the Lower Lake region and the Middle States, slightly diminishing pressure," and "for New England, light winds," partly verified.

METEOROLOGICAL RECORD, APRIL 27, 1873—4.35 P. M.

Place of observation.	Barometer.	Thermometer.	Relative humidity, per cent.	Wind.		Clouds.			Rain-fall in last 8 hours.	State of the weather.
				Direction.	Velocity.	Amount of lower.	Amount of upper.	Direction of upper.		
*Alpena, Mich	30.07	36	80	S. E.	8	0	1-4	S. W.	.....	Fair.
Augusta, Ga	30.10	74	18	S. W.	4	Smoky	2-4	W.	.....	Fair.
Baltimore, Md	30.09	61	26	N. W.	12	Smoky	2-4	N. W.	.....	Fair.
Boston, Mass	29.84	58	27	N.	14	0	2-4	N. W.	.....	Fair.
Breckenridge, Minn	29.73	69	55	S. E.	25	1-4	2-4	S. E.	.....	Fair.
Buffalo, N. Y	30.01	46	47	S. W.	4	0	1-4	.....	.....	Clear.
Burlington, Vt	29.92	49	37	N. W.	6	0	2-4	N. W.	.....	Fair.
*Cairo, Ill	29.93	62	44	S. E.	16	4-4	.....	.....	.....	Cloudy.
Cape May, N. J	30.07	55	56	N. W.	14	0	2-4	N. W.	.....	Foggy.
Charleston, S. C	30.11	71	41	S. W.	12	0	Hazy..	.....	.....	Clear.
Cheyenne, Wyo	29.80	43	58	N. W.	14	2-4	1-4	W.	.....	Fair.
Chicago, Ill	30.00	51	40	E.	12	2-4	2-4	.....	.....	Cloudy.
Cincinnati, Ohio	30.07	65	22	S. W.	5	0	Hazy..	.....	.....	Fair.
Cleveland, Ohio	30.01	60	48	N. W.	4	0	0	.....	.....	Clear.
Corinne, Utah	29.93	59	13	S.	16	Smoky	1-4	.....	.....	Fair.
Davenport, Iowa	29.93	61	35	S. W.	16	4-4	.....	.....	.....	Cloudy.
Denver, Colo	29.78	55	17	N. W.	30	4-4	.....	.....	.....	Cloudy.
Detroit, Mich	29.98	57	41	S. W.	8	0	2-4	.....	.....	Fair.
Duluth, Minn	29.89	52	65	N. E.	4	0	2-4	W.	.....	Fair.
*Eastport, Me	29.65	49	57	N. W.	6	0	2-4	N. W.	.....	Fair.
Escanaba, Mich	.....	42	66	S.	12	1-4	0	S. W.	.....	Clear.
*Fort Benton, Mont	29.84	56	29	Calm.	0	0	3-4	W.	.....	Fair.
Fort Garry, Manitoba	29.72	55	53	Calm.	0	3-4	0	.....	.....	Threatening.
Fort Gibson, Ind. T	29.79	64	73	E.	10	4-4	.....	.....	.....	Threatening.
*Fort Sully, Dak	29.68	64	15	S. W.	12	3-4	1-4	S. W.	.....	Cloudy.
Galveston, Tex	29.91	76	76	S. E.	8	4-4	.....	.....	.....	Cloudy.
*Grand Haven, Mich	30.05	51	46	S. W.	6	0	0	.....	.....	Clear.
Indianapolis, Ind	30.05	66	26	S. W.	3	Hazy..	0	.....	.....	Clear.
Indianola, Tex	29.87	76	79	S.	14	4-4	.....	.....	.....	Cloudy.
Jacksonville, Fla	30.11	75	56	S. E.	12	Hazy..	1-4	.....	.....	Fair.
Keokuk, Iowa	29.90	58	42	S. E.	12	4-4	.....	.....	.....	Cloudy.
*Key West, Fla	30.05	83	64	S. E.	7	Hazy..	1-4	.....	.....	Fair.
Kingston, Canada	30.07	50	40	N. W.	9	0	2-4	.....	.....	Fair.
Knoxville, Tenn	30.06	67	15	N.	6	Hazy..	4-4	W.	.....	Cloudy.
La Crosse, Wis	29.92	65	18	S.	11	1-4	3-4	S. E.	.....	Cloudy.
Lake City, Fla	30.04	81	49	S. E.	4	0	2-4	S. E.	.....	Fair.
*Leavenworth, Kans	29.75	47	92	S. E.	3	4-4	.....	.....	.92	Heavy rain.
Louisville, Ky	30.04	64	29	Calm.	0	Hazy..	Hazy..	.....	.....	Fair.
Lynchburg, Va	30.06	63	28	N.	4	0	2-4	N. W.	.....	Fair.
Marquette, Mich	30.08	45	53	E.	8	0	0	.....	.....	Clear.
Memphis, Tenn	29.95	72	32	S.	12	4-4	.....	.....	.....	Cloudy.
Milwaukee, Wis	30.00	49	57	S. E.	1	Hazy..	2-4	N. W.	.....	Fair.
Mobile, Ala	30.07	74	63	S.	12	0	2-4	W.	.....	Fair.
Montgomery, Ala	30.03	76	27	S. E.	4	Smoky	0	.....	.....	Fair.
Montreal, Canada	29.84	54	49	N. W.	6	0	0	.....	.....	Clear.
*Mount Washington, N. H	29.70	21	85	W.	72	4-4	.....	.....	.....	Cloudy.
Nashville, Tenn	30.04	68	26	E.	3	0	4-4	W.	.....	Fair.
New London, Conn	29.96	53	31	N. W.	16	0	2-4	N. W.	.....	Fair.
New Orleans, La	29.99	71	85	S. E.	15	4-4	.....	.....	.....	Light rain.
New York, N. Y	30.04	49	50	N. W.	20	1-4	2-4	N. W.	.....	Fair.
Norfolk, Va	30.11	64	28	N.	8	0	2-4	W.	.....	Fair.
Omaha, Nebr	29.81	54	55	S. E.	16	4-4	.....	.....	.....	Cloudy.
Oswego, N. Y	30.05	49	37	W.	12	1-4	Hazy..	.....	.....	Fair.
Pembina, Dak	29.77	52	47	S. E.	2	2-4	2-4	.....	.....	Cloudy.
Philadelphia, Pa	30.07	55	33	N. W.	19	0	2-4	N. W.	.....	Fair.
Pittsburgh, Pa	30.07	57	46	W.	2	Hazy..	4-4	W.	.....	Cloudy.
Port Dover, Canada	30.06	45	68	S.	12	0	1-4	W.	.....	Fair.
Port Stanley, Canada	30.07	47	75	S. E.	2	0	1-4	S. W.	.....	Clear.
Portland, Me	29.77	56	47	N. W.	16	0	1-4	N. W.	.....	Fair.
*Portland, Oreg	29.90	56	45	S. W.	4	4-4	.....	.....	.....	Cloudy.
Punta Rassa, Fla	30.09	79	65	W.	8	Hazy..	2-4	.....	.....	Fair.
*Quebec, Canada	29.75	53	54	S. W.	4	0	1-4	S. W.	.....	Fair.
Rochester, N. Y	30.06	50	31	N. W.	10	1-4	2-4	W.	.....	Fair.
*San Diego, Cal	30.04	64	68	W.	12	0	1-4	W.	.....	Fair.
San Francisco, Cal	30.06	59	48	W.	14	0	2-4	W.	.....	Fair.
*Santa Fé, N. Mex	29.58	56	4	W.	12	1-4	3-4	W.	.....	Fair.
Saugeen, Canada	30.05	43	43	N. W.	4	0	0	.....	.....	Clear.
Savannah, Ga	30.12	71	42	S.	12	Smoky	1-4	W.	.....	Fair.
Shreveport, La	29.85	76	60	S.	12	4-4	.....	.....	.....	Cloudy.
Saint Louis, Mo	29.90	59	37	S. E.	16	2-4	Hazy..	.....	.....	Fair.
Saint Paul, Minn	29.80	65	31	S. W.	8	0	4-4	S. W.	.....	Cloudy.
Toledo, Ohio	29.99	63	32	W.	11	0	2-4	W.	.....	Fair.
Toronto, Canada	30.04	49	50	S.	9	0	2-4	W.	.....	Fair.
*Vicksburg, Miss	29.98	75	47	S. E.	8	0	4-4	S. W.	.....	Cloudy.
Virginia City, Mont	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Washington, D. C	30.10	61	31	N. W.	12	0	2-4	N. W.	.....	Fair.
Wilmington, N. C	30.13	66	49	S.	8	0	2-4	S. W.	.....	Fair.
*Yankton, Dak	29.64	63	63	S.	6	1-4	3-4	.....	.....	Cloudy.



PUBLISHED BY ORDER OF THE SECRETARY OF WAR

WASHINGTON, D. C.,
SUNDAY, *April* 27, 1873—4.35 *p. m.*

SYNOPSIS.

The temperature has rapidly risen to-day, with falling barometer, southeasterly winds, and increasingly cloudy weather in the Northwest, and thence southward to Tennessee and the Indian Territory. Southeasterly and southerly winds, increasingly cloudy weather, and rising thermometer in the Gulf States, with rain on the Western Gulf. Generally clear and warmer weather, with southerly winds, prevails in the South Atlantic States. Clearing and fair weather, with northerly winds, increased temperature, and diminishing pressure, on the Lower Lakes and in the Middle States. Partly cloudy weather and very cool northwesterly winds in Canada and New England. The rivers have risen slightly at Kansas City, Davenport, Pittsburgh, and decidedly at Keokuk; but have fallen at Plattsmouth, Memphis, Saint Louis, Saint Paul, Nashville, Evansville, Louisville, Cincinnati, Freeport, and Oil City.

PROBABILITIES.

The temperature will continue increasing very generally from the Mississippi to the Atlantic seaboard. For the Northwest and Upper Lakes, and thence to the Lower Ohio and Lower Missouri Valley, cloudy weather, falling barometer, fresh to brisk southeasterly to northeasterly winds, and occasional rain. For the Southwest and Western Gulf States, southeasterly and southerly winds, falling barometer, threatening and rainy weather. For the Upper Ohio Valley and Kentucky, winds veering to southeasterly, increasingly cloudy and warmer weather. For the Lower Lakes and Middle States, generally clear weather, northwesterly to southwesterly winds, and higher temperature. For Canada and New England, northwesterly winds, partly cloudy and cool weather.

Cautionary signals are ordered for Mobile, New Orleans, Duluth, Chicago, Milwaukee, and Grand Haven.

FACTS—11 P. M., (*following the above "Probabilities."*)

WIND AND WEATHER.

(1.) *Clear.*—At Augusta, Buffalo, Baltimore, Duluth, Oswego, Philadelphia, and Saint Paul, calm; Cheyenne and Toronto, wind NW., light; Denver, wind SE., light; Saugeen, wind NE., light; Burlington and New London, wind NW., gentle; New York, wind W., gentle; Stanley, Corinne, and Cleveland, wind SE., gentle; Lynchburg, wind N., gentle; Washington and Charleston, wind SW., gentle; Boston and Montreal, wind NW., fresh; Kingston, wind W., fresh; Portland, Me., wind SW., fresh; Shreveport, wind S., fresh.

(2.) *Fair.*—At Milwaukee, Chicago, and Pittsburgh, calm; Rochester and Toledo, wind SW., light; Norfolk, wind SE., light; Detroit, wind SW., gentle; Montgomery and Mobile, wind SE., fresh; Savannah, wind S., fresh; San Francisco, wind W., fresh; Breckenridge, wind S., brisk.

(3.) *Cloudy.*—At Cincinnati, wind SE., light; Indianapolis, wind SE., gentle; Omaha, wind E., gentle; New Orleans and Memphis, wind SE., fresh.

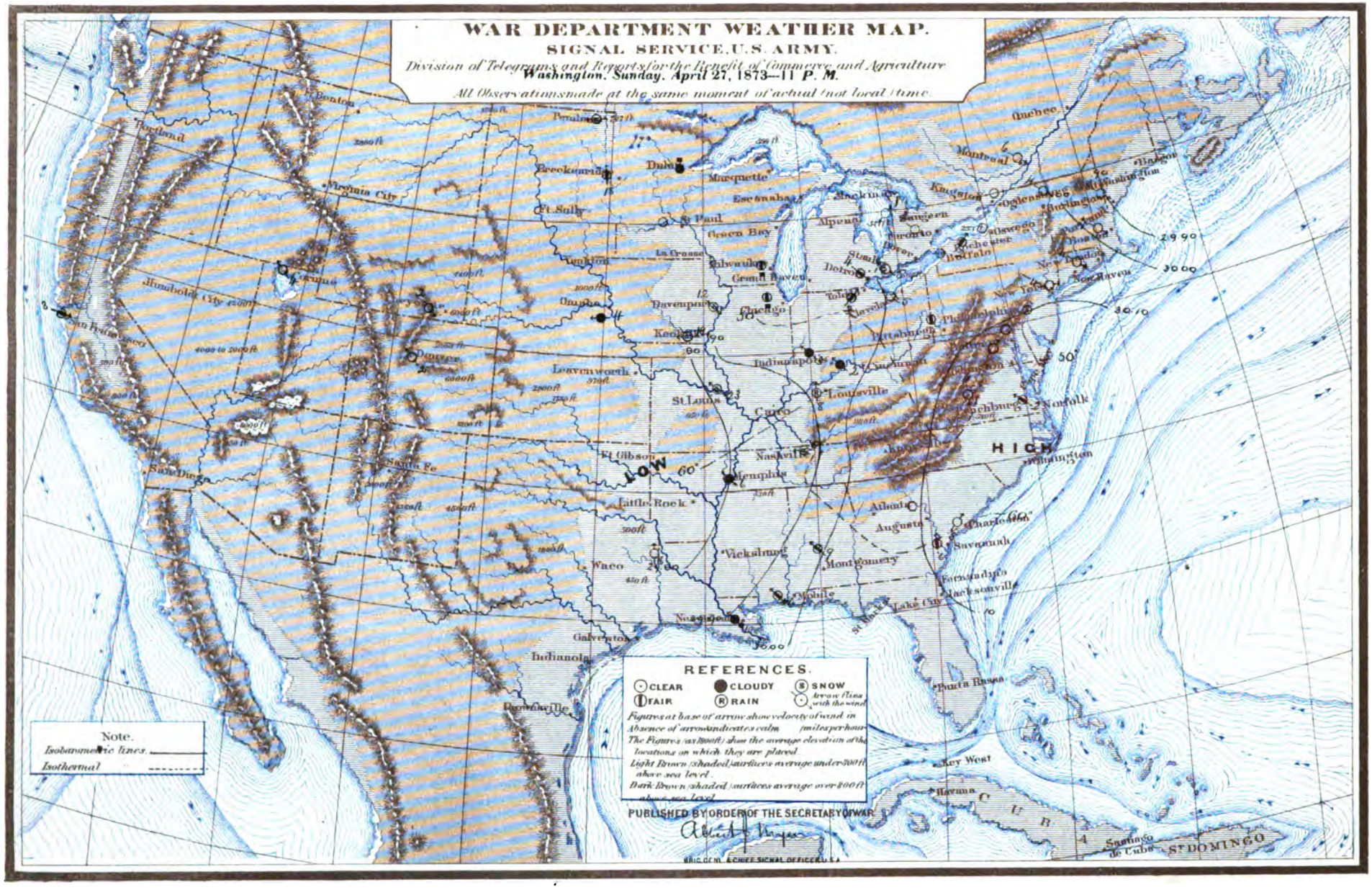
(4.) *Rainy.*—At Pembina and Nashville, wind E., gentle; Davenport, wind SW., fresh; Louisville, wind S., fresh; Keokuk, wind E., brisk; Saint Louis, wind SE., brisk.

GENERAL REMARKS AS TO VERIFICATIONS.

The above "Probabilities" were generally verified, except "for the Upper Ohio Valley and Kentucky, increasing cloudy and warmer weather," and "for Lower Lakes and Middle States, generally clear weather, northwesterly to southwesterly winds, and higher temperature," partly verified; "cautionary signals at Mobile, New Orleans, Duluth, Chicago, Milwaukee, and Grand Haven," not verified.

METEOROLOGICAL RECORD, APRIL 27, 1873—11 P. M.

Place of observation.	Barometer.	Thermometer.	Relative humidity, per cent.	Wind.		Clouds.			Rain-fall in last 8 hours.	State of the weather.
				Direction.	Velocity.	Amount of lower.	Amount of upper.	Direction of upper.		
*Alpena, Mich	30.07	32	79	Calm.	0	0	1-4	.....	.....	Fair.
Augusta, Ga	30.17	57	63	Calm.	0	0	0	.....	.....	Clear.
Baltimore, Md	30.15	50	58	Calm.	0	0	0	.....	.....	Clear.
Boston, Mass	29.99	45	53	N. W.	7	0	0	.....	.....	Clear.
Breckenridge, Minn	29.76	49	78	S.	18	2-4	0	.....	.03	Fair.
Buffalo, N. Y	30.03	41	65	Calm.	0	0	1-4	W.	.....	Clear.
Burlington, Vt	29.99	43	50	N. W.	4	0	0	.....	.....	Clear.
*Cairo, Ill	29.86	52	100	N. E.	20	4-4	.....	.....	.04	Threatening.
*Cape May, N. J	30.23	47	77	W.	8	0	0	.....	.....	Clear.
Charleston, S. C	30.15	84	65	S. W.	5	0	0	.....	.....	Clear.
Cheyenne, Wyo	29.87	32	69	N. W.	2	0	0	.....	.....	Clear.
Chicago, Ill	30.00	50	64	Calm.	0	Smoky	2-4	.....	.....	Fair.
Cincinnati, Ohio	30.05	60	39	S. E.	2	4-4	.....	.....	.....	Cloudy.
Cleveland, Ohio	30.04	49	78	S. E.	5	0	0	.....	.....	Clear.
Corinne, Utah	29.87	47	24	S. E.	4	0	0	.....	.....	Clear.
Davenport, Iowa	29.96	50	79	S. W.	12	4-4	.....	.....	.....	Light rain.
Denver, Colo	29.94	40	64	S. E.	2	0	0	.....	.....	Clear.
Detroit, Mich	30.02	46	77	S. W.	4	1-4	0	.....	.....	Fair.
Duluth, Minn	29.92	34	80	Calm.	0	0	Hazy..	.....	.....	Fair.
*Eastport, Me	29.82	43	51	N. W.	1	0	1-4	.....	.....	Fair.
*Escanaba, Mich	.....	33	70	S.	4	0	0	.....	.....	Clear.
*Fort Benton, Mont	29.86	41	65	Calm.	0	0	2-4	W.	.....	Fair.
Fort Garry, Manitoba	29.74	45	67	S. W.	2	4-4	Hazy..	.....	.....	Fair.
*Fort Gibson, Ind. T	29.74	66	94	N. E.	10	4-4	.....	.....	.....	Threatening.
*Fort Sully, Dak	29.82	56	29	N.	13	4-4	.....	.....	.....	Cloudy.
*Galveston, Tex	29.90	71	90	S. E.	8	4-4	.....	.....	.....	Threatening.
*Grand Haven, Mich	30.00	43	58	S. W.	6	0	0	.....	.....	Clear.
Indianapolis, Ind	29.97	56	39	S. E.	3	4-4	.....	.....	.....	Cloudy.
*Indianola, Tex	29.90	52	90	S.	8	2-4	0	.....	.....	Fair.
*Jacksonville, Fla	30.14	69	84	S. W.	4	4-4	.....	.....	.....	Cloudy.
Keokuk, Iowa	29.93	46	92	E.	19	4-4	.....	.....	.74	Heavy rain.
*Key West, Fla	30.11	77	76	N. E.	5	Hazy..	0	.....	.....	Fair.
Kingston, Canada	30.09	41	65	W.	8	0	1-4	.....	.....	Clear.
*Knoxville, Tenn	30.03	59	25	N.	7	4-4	.....	.....	.....	Cloudy.
*La Crosse, Wis	29.93	54	32	S. E.	8	Hazy..	2-4	.....	.....	Cloudy.
*Lake City, Fla	30.09	68	81	S. E.	3	1-4	0	.....	.....	Fair.
*Leavenworth, Kans	29.77	47	85	N.	2	4-4	.....	.....	.51	Cloudy.
Louisville, Ky	30.01	60	39	S.	8	4-4	.....	.....	.....	Light rain.
Lynchburg, Va	30.15	49	71	N.	4	0	0	.....	.....	Clear.
*Marquette, Mich	29.97	34	79	Calm.	0	0	0	.....	.....	Clear.
Memphis, Tenn	29.84	63	67	S. E.	6	4-4	.....	.....	.08	Cloudy.
Milwaukee, Wis	30.00	43	67	Calm.	0	Hazy..	Hazy..	.....	.....	Fair.
Mobile, Ala	30.06	66	84	S. E.	6	2-4	0	.....	.....	Fair.
Montgomery, Ala	30.02	68	38	S. E.	9	2-4	0	.....	.....	Fair.
Montreal, Canada	29.95	43	58	N. W.	6	0	0	.....	.....	Clear.
*Mount Washington, N. H	29.79	20	85	W.	77	4-4	.....	.....	.....	Cloudy.
Nashville, Tenn	29.95	59	48	E.	5	4-4	.....	.....	.07	Light rain.
New London, Conn	30.05	46	50	N. W.	4	0	0	.....	.....	Clear.
New Orleans, La	29.96	67	84	S. E.	10	4-4	.....	.....	.....	Cloudy.
New York, N. Y	30.11	47	48	W.	4	0	0	.....	.....	Clear.
Norfolk, Va	30.18	52	72	S. E.	2	1-4	0	.....	.....	Fair.
Omaha, Nebr	29.87	49	89	E.	4	4-4	.....	.....	.....	Cloudy.
Oswego, N. Y	30.07	43	58	Calm.	0	0	0	.....	.....	Clear.
Pembina, Dak	29.79	43	83	E.	3	4-4	.....	.....	.....	Light rain.
Philadelphia, Pa	30.15	49	50	Calm.	0	0	0	.....	.....	Clear.
Pittsburgh, Pa	30.11	46	76	Calm.	0	Smoky	0	.....	.....	Fair.
*Port Dover, Canada	30.08	40	91	Calm.	0	0	3-4	N.	.....	Fair.
Port Stanley, Canada	30.10	35	94	S. E.	5	0	0	.....	.....	Clear.
Portland, Me	29.89	43	43	S. W.	8	0	0	.....	.....	Clear.
*Portland, Oreg	29.81	49	85	S. E.	5	4-4	.....	.....	.21	Light rain.
*Punta Rassa, Fla	30.13	74	77	N. E.	4	Hazy..	3-4	N. W.	.....	Fair.
*Quebec, Canada	29.86	38	63	Calm.	0	0	0	.....	.....	Clear.
Rochester, N. Y	30.07	44	49	S. W.	2	1-4	0	.....	.....	Fair.
*San Diego, Cal	30.06	58	70	N.	10	0	1-4	.....	.....	Fair.
San Francisco, Cal	30.07	54	73	W.	8	2-4	0	.....	.....	Fair.
*Santa Fé, N. Mex	29.68	42	19	N.	16	0	0	.....	.....	Clear.
Sangeen, Canada	30.08	30	83	N. E.	1	0	0	.....	.....	Clear.
Savannah, Ga	30.16	66	68	S.	6	2-4	0	.....	.....	Fair.
Shreveport, La	29.80	71	75	S.	8	0	0	.....	.....	Clear.
Saint Louis, Mo	29.84	48	92	S. E.	23	4-4	.....	.....	.23	Heavy rain.
Saint Paul, Minn	29.82	51	72	Calm.	0	0	0	.....	.....	Clear.
Toledo, Ohio	30.00	52	73	S. W.	2	2-4	0	.....	.....	Fair.
Toronto, Canada	30.08	39	75	N. W.	2	0	1-4	.....	.....	Clear.
*Vicksburg, Miss	29.92	70	79	S. S. E.	12	3-4	0	.....	.....	Cloudy.
Virginia City, Mont	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Washington, D. C	30.16	54	61	S. W.	4	0	Hazy..	.....	.....	Clear.
*Wilmington, N. C	30.19	54	87	Calm.	0	Haze..	Haze..	.....	.....	Fair.
*Yankton, Dak	29.82	47	83	S.	7	Hazy..	0	.....	.....	Clear.


WAR DEPARTMENT WEATHER MAP.
SIGNAL SERVICE, U.S. ARMY.
Division of Telegrams and Reports for the Benefit of Commerce and Agriculture
Washington, Sunday, April 27, 1873—11 P. M.
All Observations made at the same moment of actual (not local) time.
REFERENCES.
CLEAR
CLOUDY
SNOW
FAIR
RAIN
Arrow flies with the wind
Figures at base of arrow show velocity of wind in miles per hour
Absence of arrow indicates calm
The Figures (as 1500 ft.) show the average elevation of the locations on which they are placed.
Light Brown (shaded) surfaces average under 500 ft. above sea level.
Dark Brown (shaded) surfaces average over 1000 ft. above sea level.
Note.
Isobarometric lines
Isothermal
LOW
HIGH
PUBLISHED BY ORDER OF THE SECRETARY OF WAR
BRIG. GEN. & CHIEF SIGNAL OFFICER U.S.A.
Portland
Boston
Quebec
Montreal
Brooklyn
Dubuque
Marquette
Escanaba
Mackinaw
Kingston
Oswego
Rochester
Buffalo
Toronto
Alpena
Saugeen
Port Huron
Detroit
Toledo
Cleveland
Chicago
Green Bay
St. Paul
Ft. Sully
Virginia City
La Crosse
Milwaukee
Grand Haven
Davenport
Omaha
Keokuk
Humboldt City
San Francisco
Denver
Leavenworth
St. Louis
Cairo
Indianapolis
Louisville
Pittsburgh
Philadelphia
New York
New Haven
Boston
Washington
Norfolk
Fort Gibson
Nashville
Memphis
Little Rock
Santa Fe
San Diego
Atlanta
Augusta
Charleston
Savannah
Vicksburg
Montgomery
Waco
Mobile
Fernandina
Jacksonville
Lake City
New Orleans
Galveston
Indianola
Brownsville
Punta Rassa
Key West
Havana
Santiago de Cuba
St. DOMINGO
CUBA
2990
3000
3010
50°
60°
90
12
23
8
5
4
10

WASHINGTON, D. C.,
SUNDAY, *April* 27, 1873—11 *p. m.*

SYNOPSIS.

The temperature has risen generally in the Mississippi Valley and eastward to the Atlantic. The pressure has diminished, with southeasterly winds, threatening weather, and rain, in Tennessee, Kentucky, and the Lower Ohio Valley, and thence westward to Iowa and Arkansas. Southeasterly winds and partly cloudy weather, with diminishing pressure, prevail in the Gulf States. Southwesterly winds, generally clear and warmer weather, with high pressures, in the South Atlantic States. Generally clear weather, light southwesterly winds, and higher temperature, on the Lower Lakes and in the Middle States. Westerly and northwesterly winds, clearing and clear weather, prevail in Canada and New England.

PROBABILITIES.

The temperature will further very generally increase east of the Mississippi, and the pressure will diminish. For the Northwest and the Mississippi and Lower Missouri and Lower Ohio Valleys, southeasterly and southwesterly winds, threatening and rainy weather. For the Gulf States, southerly winds, partly cloudy weather, higher temperature, and possibly occasional rain. For the South Atlantic States, winds back to southeasterly, increasing cloudiness, and falling barometer. From Michigan and the Lower Lakes to Kentucky and West Virginia, partly cloudy weather, southeasterly winds, and lower pressure. For the Eastern and Middle States, clearing and clear weather, with southwesterly and southeasterly winds and higher temperature.

Cautionary signals continue at Duluth, Chicago, Milwaukee, Grand Haven, New Orleans, and Mobile.

Reports are missing from the Upper Lakes and generally west of the Mississippi.

FACTS—7.35 A. M., (*following the above "Probabilities."*)

WIND AND WEATHER.

(1.) *Clear.*—At Cheyenne and Rochester, wind W., light; Stanley, wind NE., light; Kingston, wind N., gentle; New York and Cape May, wind SW., gentle; Boston, Eastport, and New London, wind NW., fresh; Portland, Me., wind W., fresh.

(2.) *Fair.*—At Duluth, Baltimore, Washington, Chicago, and Toronto, calm; Pittsburgh, wind E., light; Oswego, wind W., light; Saint Paul, Cleveland, and Saugeen, wind SE., gentle; Montreal, wind W., gentle; Buffalo, wind E., fresh; Philadelphia, wind SW., fresh; Breckenridge, wind NW., fresh; Savannah, wind SE., fresh; Toledo, wind NE., fresh; Indianola, wind S., fresh; San Francisco, wind W., fresh.

(3.) *Cloudy.*—At Corinne and Omaha, calm; Wilmington, wind SE., light; Milwaukee, wind NW., light; Augusta, Burlington, Galveston, Montgomery, and Nashville, wind S., gentle; Lynchburg, wind W., gentle; Norfolk, wind SE., gentle; Alpena, wind E., gentle; Detroit and Grand Haven, wind E., fresh; Charleston, wind SE., fresh; Mobile, New Orleans, and Shreveport, wind S., fresh.

(4.) *Rainy.*—At Saint Louis, wind NE., gentle; Davenport, Knoxville, and Keokuk, wind NE., fresh; Cincinnati, wind SE., fresh; Indianapolis and Louisville, wind E., fresh; La Crosse, wind S., fresh; Memphis, wind SW., fresh.

GENERAL REMARKS AS TO VERIFICATIONS.

The above "Probabilities" were generally verified, except "from Michigan and the Lower Lakes to Kentucky and West Virginia, partly cloudy weather," and "for the Middle States, clearing and clear weather and higher temperature," partly verified; "cautionary signals at Duluth, Chicago, Milwaukee, Grand Haven, New Orleans, and Mobile," not verified.

METEOROLOGICAL RECORD, APRIL 28, 1873—7.35 A. M.

Place of observation.	Barometer.	Thermometer.	Relative humidity, per cent.	Wind.		Clouds.			Rain-fall in last 8 hours.	State of the weather.
				Direction.	Velocity.	Amount of lower.	Amount of upper.	Direction of upper.		
Alpena, Mich	30.05	31	79	E.	3	1-4	2-4	S. E.	.....	Cloudy.
Augusta, Ga	30.02	61	82	S.	4	4-4	0	.....	.01	Threatening.
Baltimore, Md	30.17	51	65	Calm.	0	Hazy..	.....	.....	.....	Fair.
Boston, Mass	30.09	49	44	N. W.	8	Smoky	Hazy..	.....	.....	Clear.
Breckenridge, Minn	29.84	37	95	N. W.	10	Fog ...	.....	.....	.....	Foggy.
Buffalo, N. Y	30.02	45	53	E.	8	Hazy..	1-4	.....	.....	Fair.
Burlington, Vt	30.07	45	46	S.	4	0	4-4	S.	.....	Cloudy.
*Cairo, Ill.	29.79	51	93	S.	4	4-4	.....	.....	.85	Threatening.
Cape May, N. J	30.19	49	78	S. W.	4	0	Hazy..	W.	.....	Clear.
Charleston, S. C	30.04	65	89	S. E.	13	4-4	.....	.....	.02	Threatening.
Cheyenne, Wyo	29.88	28	65	W.	1	0	0	.....	.....	Clear.
Chicago, Ill	29.89	49	63	Calm.	0	4-4	.....	.....	.....	Clearing.
Cincinnati, Ohio	29.89	52	72	S. E.	7	4-4	.....	.....	.15	Light rain.
Cleveland, Ohio	29.95	47	70	S. E.	4	4-4	.....	.....	.....	Foggy.
Corinne, Utah	29.74	42	79	Calm.	0.	4-4	.....	.....	.....	Cloudy.
Davenport, Iowa	29.90	46	91	N. E.	6	4-4	.....	.....	.20	Light rain
*Denver, Colo	29.95	29	89	S. E.	2	0	0	.....	.....	Clear.
Detroit, Mich	29.95	44	84	E.	6	Smoky	Hazy..	.....	.....	Cloudy.
Duluth, Minn	29.85	37	61	Calm.	0	0	2-4	.....	.....	Fair.
Eastport, Me	29.91	42	50	N. W.	8	0	0	.....	.....	Clear.
*Escanaba, Mich	.....	33	70	N.	4	4-4	.....	.....	.....	Cloudy.
*Fort Benton, Mont	29.86	35	80	W.	1	2-4	2-4	W.	.....	Cloudy.
*Fort Garry, Manitoba	29.75	35	85	N. E.	3	0	2-4	.....	.....	Fair.
*Fort Gibson, Ind. T	29.93	52	91	N. W.	10	4-4	.....	.....	.56	Threatening.
*Fort Sully, Dak	30.02	34	62	N. W.	8	0	0	.....	.....	Fair.
Galveston, Tex	29.89	71	90	S.	4	4-4	.....	.....	.....	Cloudy.
Grand Haven, Mich	29.89	46	47	S. E.	10	4-4	.....	.....	.....	Cloudy.
Indianapolis, Ind	29.84	49	85	E.	7	4-4	.....	.....	.08	Light rain.
*Indianola, Tex	29.88	72	95	S.	7	Fog...	.....	.....	.....	Foggy.
*Jacksonville, Fla	30.08	72	85	S.	8	1-4	2-4	W.	.....	Fair.
Keokuk, Iowa	29.81	45	100	N. E.	8	4-4	.....	.....	.07	Light rain.
*Key West, Fla	30.09	79	78	S. E.	9	0	1-4	.....	.....	Fair.
Kingston, Canada	30.15	40	56	N.	3	0	0	.....	.....	Clear.
Knoxville, Tenn	29.89	49	92	N. E.	8	4-4	.....	.....	.12	Light rain.
La Crosse, Wis	29.96	46	84	S.	7	4-4	.....	.....	.....	Light rain.
*Lake City, Fla	30.04	70	95	S. W.	4	1-4	0	.....	.....	Fair.
*Leavenworth, Kans	29.83	47	92	N.	4	4-4	.....	.....	.....	Cloudy.
Louisville, Ky	29.95	49	93	E.	10	4-4	.....	.....	.91	Light rain.
Lynchburg, Va	30.14	48	68	W.	4	4-4	.....	.....	.....	Cloudy.
*Marquette, Mich	29.90	36	70	S. E.	8	0	2-4	W.	.....	Fair.
Memphis, Tenn	29.90	58	87	S. W.	8	4-4	.....	.....	.82	Light rain.
Milwaukee, Wis	29.91	47	84	N. W.	1	4-4	.....	.....	.....	Cloudy.
Mobile, Ala	29.99	70	90	S.	7	4-4	.....	.....	.....	Cloudy.
Montgomery, Ala	29.95	67	50	S.	5	4-4	.....	.....	.....	Cloudy.
Montreal, Canada	30.02	44	67	W.	4	0	1-4	.....	.....	Fair.
Mount Washington, N. H	29.87	20	85	W.	48	1-4	0	W.	.....	Fair.
Nashville, Tenn	29.80	53	86	S.	3	4-4	.....	.....	.64	Threatening.
New London, Conn	30.15	49	48	N. W.	6	0	0	.....	.....	Clear.
*New Orleans, La	29.94	72	90	S.	12	4-4	.....	.....	.....	Threatening.
New York, N. Y	30.15	47	55	S. W.	4	Smoky	Hazy..	.....	.....	Clear.
Norfolk, Va	30.20	52	86	S. E.	4	0	Hazy..	.....	.....	Cloudy.
Omaha, Nebr	29.91	47	88	Calm.	0	4-4	.....	.....	.....	Cloudy.
Oswego, N. Y	30.10	43	58	W.	2	1-4	Hazy..	.....	.....	Fair.
*Pembina, Dak	29.80	37	90	Calm.	0	1-4	2-4	.....	.....	Fair.
Philadelphia, Pa	30.18	46	62	S. W.	6	Smoky	Hazy..	.....	.....	Fair.
Pittsburgh, Pa	30.06	43	83	E.	2	Fog ...	.....	.....	.....	Foggy.
*Port Dover, Canada	30.09	42	58	N.	4	0	0	.....	.....	Clear.
Port Stanley, Canada	30.05	45	74	N. E.	1	0	0	.....	.....	Clear.
Portland, Me	29.98	50	32	W.	6	0	0	.....	.....	Clear.
*Portland, Oreg	29.87	43	83	S E.	3	4-4	.....	.....	.12	Cloudy.
*Punta Rassa, Fla	30.13	74	86	S. E.	6	Hazy..	2-4	S.	.....	Fair.
*Quebec, Canada	29.96	48	56	Calm.	0	0	0	.....	.....	Clear.
Rochester, N. Y	30.11	43	55	W.	2	0	0	.....	.....	Clear.
*San Diego, Cal	30.08	56	87	N. E.	1	4-4	.....	.....	.....	Cloudy.
San Francisco, Cal	30.11	52	79	W.	8	2-4	0	.....	.....	Fair.
*Santa Fé, N. Mex	29.74	38	25	E.	1	1-4	1-4	S. W.	.....	Fair.
Saugeen, Canada	30.05	40	31	S. E.	4	0	2-4	N. W.	.....	Fair.
Savannah, Ga	30.04	70	79	S. E.	12	Smoky	2-4	S. E.	.....	Fair.
*Shreveport, La	29.85	70	90	S.	6	4-4	.....	.....	.....	Cloudy.
Saint Louis, Mo	29.75	49	85	N. E.	4	4-4	.....	.....	.44	Light rain.
Saint Paul, Minn	29.83	45	68	S. E.	4	0	2-4	W.	.....	Fair.
Toledo, Ohio	29.94	49	43	N. E.	8	Smoky	2-4	.....	.....	Fair.
Toronto, Canada	30.10	43	57	Calm.	0	Hazy..	Hazy..	.....	.....	Fair.
*Vicksburg, Miss	29.93	67	89	S.	3	4-4	.....	.....	.....	Cloudy.
Virginia City, Mont	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Washington, D. C	30.16	53	63	Calm.	0	Hazy..	Hazy..	.....	.....	Fair.
Wilmington, N. C	30.11	60	82	S. E.	1	Hazy..	4-4	W.	.....	Cloudy.
*Yankton, Dak	29.88	43	89	S. W.	4	0	0	.....	.....	Clear.

WAR DEPARTMENT WEATHER MAP.
SIGNAL SERVICE, U.S. ARMY.
Division of Telegrams and Reports for the Benefit of Commerce and Agriculture.
Washington, Monday, April 28, 1873—7.35 A. M.
All Observations made at the same moment of actual (not local) time.
REFERENCES.
CLEAR
CLOUDY
SNOW
FAIR
RAIN
Note
Isobarometric lines
Isothermal
Quebec
Montreal
Portland
Eastport
Pembina
Duluth
Marquette
Green Bay
Milwaukee
Chicago
Detroit
Toledo
Buffalo
Oswego
Albany
New York
Philadelphia
Pittsburg
Cincinnati
Louisville
Norfolk
Omaha
Davenport
Keokuk
Leavenworth
St. Louis
Nashville
Memphis
Little Rock
Vicksburg
Mobile
Montgomery
Atlanta
Augusta
Charleston
Savannah
Jacksonville
Key West
Havana
CUBA
ST. DOMINGO
Galveston
New Orleans
Indianola
Waco
Fort Smith
Fort Sill
Fort Ellis
Fort Benton
Helena
Virginia City
Salt Lake City
Cheyenne
Denver
Santa Fe
Fort Yuma
San Diego
PUBLISHED BY ORDER OF THE SECRETARY OF WAR
ERIC. CECIL, CHIEF SIGNAL OFFICER, U.S.A.

WASHINGTON, D. C.,
MONDAY, *April* 28, 1873—7.35 *a. m.*

SYNOPSIS.

The storm-centre has moved into the Lower Ohio Valley, and the temperature has generally increased in the Southern and Middle States. Southeasterly and northeasterly winds, cloudy weather, and occasional rain have prevailed in the Northwest and thence southward and southeastward to Arkansas and Tennessee. The pressure has diminished in the Gulf and South Atlantic States, with generally cloudy weather and occasional rain on the coasts of the Carolinas. Northeasterly to southeasterly winds, diminishing pressure, and increasing cloudiness and fog, on all the Lakes but Ontario, and thence to the Upper Ohio Valley. Westerly to southwesterly winds, cool and partly cloudy weather, now extend over Lake Ontario and the Middle States. Slightly increased pressure, southwesterly and northwesterly winds, and generally clear weather in Canada and New England.

PROBABILITIES.

The temperature will probably increase to-day in the Southern and Atlantic States, with diminishing pressure. For the Northwest and Upper Lakes and thence southward to Missouri and Tennessee, northwesterly and northeasterly winds, cloudy and cool weather, fog, and rain, with slowly increasing pressure. For the Gulf and South Atlantic States, cloudy weather, southeasterly to southwesterly winds, and occasional rain. From the Lower Lakes to the Upper Ohio Valley and in the Middle States, except New York, increasing cloudiness and temperature, southwesterly to southeasterly and northeasterly winds, diminishing pressure, followed by occasional rain to-night. For New York, New England, and Canada, partly cloudy and clear weather, increased temperature, with falling barometer to-night, and southwesterly winds, changing to northeasterly.

Reports are missing from the Southwest, the extreme Northwest, and Oregon.

FACTS—4.35 P. M., (*following the above "Probabilities."*)

WIND AND WEATHER.

(1.) *Clear.*—At Burlington, wind NW., gentle; Montreal, wind W., fresh; Quebec and Kingston, wind SW., fresh; Punta Rassa, wind S., fresh.

(2.) *Fair.*—At Fort Sully, calm; Key West, wind SE., light; Leavenworth, wind N., light; Santa Fé, wind W., light; Boston and Oswego, wind NW., light; Augusta, wind SW., gentle; Detroit, wind E., gentle; Eastport, wind S., gentle; Omaha, wind NW., gentle; Rochester, wind NE., gentle; Saugeen, wind N., gentle; Knoxville and Portland, Me., wind S., fresh; Mobile, New London, and Vicksburg, wind SW., fresh; Fort Gibson and Yankton, wind N., fresh; Pembina, wind NW., fresh; Escanaba, wind S., fresh; Alpena, wind E., fresh; San Diego, wind W., fresh; Lake City and Jacksonville, wind SW., brisk; Breckenridge, wind N., brisk; San Francisco, wind W., brisk.

(3.) *Cloudy.*—At Cairo, Chicago, Dover, Grand Haven, and Milwaukee, calm; Stanley, wind E., light; Toronto, wind SE., light; Memphis, wind SW., light; Keokuk, wind N., gentle; Denver, wind E., gentle; Shreveport, wind S., gentle; Montgomery, wind W., gentle; Buffalo and Toledo, wind NE., fresh; Cincinnati and Davenport, wind E., fresh; Corinne, Cleveland, Galveston, and Indianola, wind SE., fresh; Charleston, Philadelphia, Marquette, and Saint Paul, wind SW., fresh; Cape May, La Crosse, New Orleans, and New York, wind S., fresh; Duluth, Louisville, and Saint Louis, wind NW., fresh; Nashville, wind W., fresh; Cheyenne, wind S., brisk.

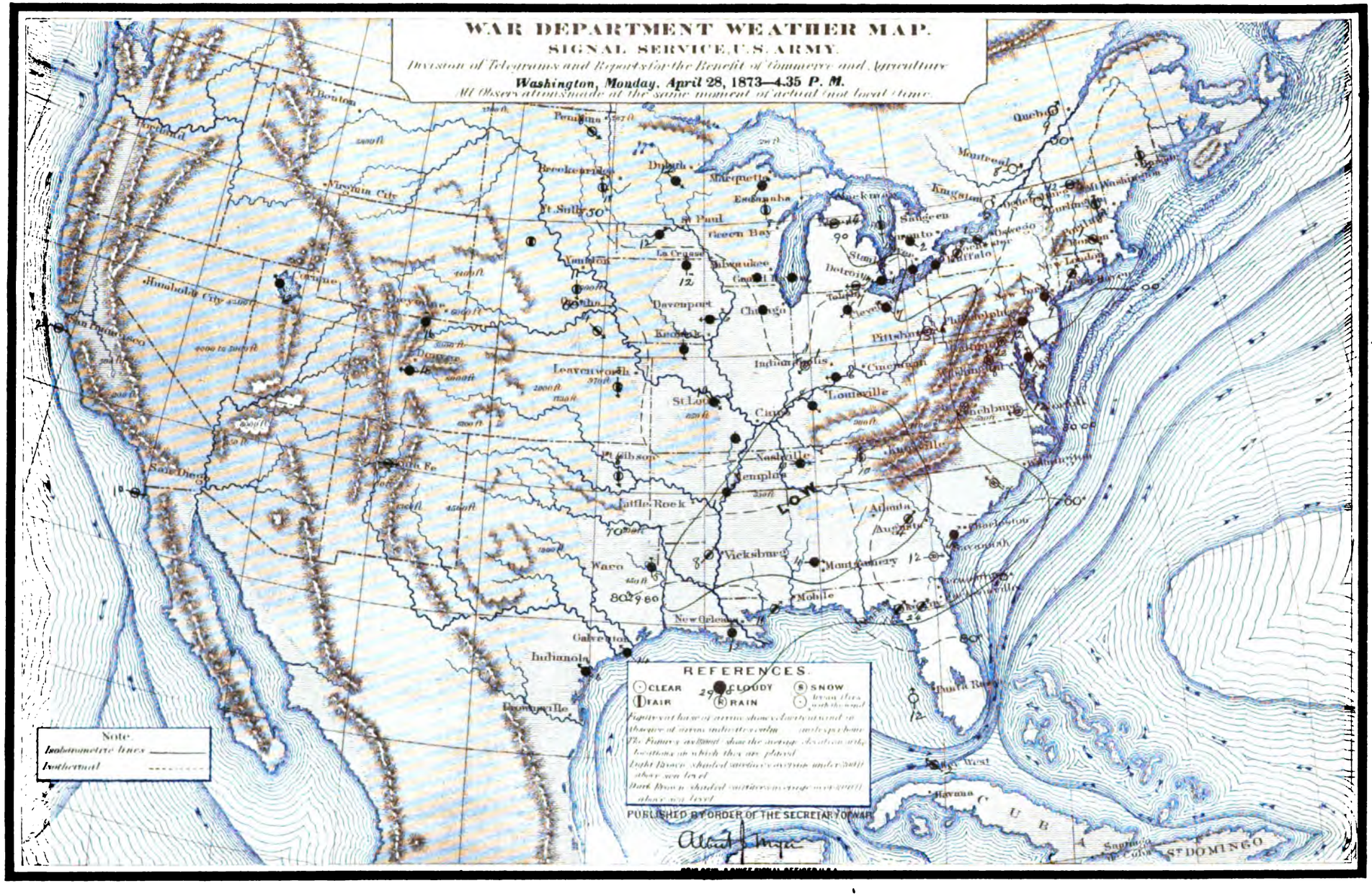
(4.) *Rainy.*—At Indianapolis, wind NE., light; Norfolk and Pittsburgh, wind E., fresh; Baltimore, wind SW., fresh; Lynchburg, wind NE., fresh; Wilmington, wind SE., fresh; Washington, wind S., fresh; Savannah, wind W., fresh.

GENERAL REMARKS AS TO VERIFICATIONS.

The above "Probabilities" were generally verified, except "from the Lower Lakes to the Upper Ohio Valley and in the Middle States, except New York, increasing temperature, followed by occasional rain to-night," and "for New England, increased temperature," partly verified.

METEOROLOGICAL RECORD, APRIL 23, 1873—4.35 P. M.

Place of observation.	Barometer.	Thermometer.	Relative humidity, per cent.	Wind.		Clouds.			Rain-fall in last 8 hours.	State of the weather.
				Direction.	Velocity.	Amount of lower.	Amount of upper.	Direction of upper.		
Alpena, Mich	29.92	38	72	E.	14	1-4	Hazy..	N. W.	.....	Fair.
Augusta, Ga	29.88	68	79	S. W.	4	2-4	2-4	W.	.52	Clearing.
Baltimore, Md	30.02	57	52	S. W.	12	4-4	.....	.....	.....	Light rain.
Boston, Mass	29.94	64	21	N. W.	1	0	2-4	N. W.	.....	Fair.
Breckenridge, Minn	29.87	49	57	N.	18	0	2-4	N.	.....	Fair.
Buffalo, N. Y	29.87	54	32	N. E.	8	4-4	.....	.....	.....	Cloudy.
Burlington, Vt	29.95	54	37	N. W.	4	0	0	.....	.....	Clear.
Cairo, Ill	29.79	64	70	Calm.	0	2-4	2-4	W.	.....	Cloudy.
Cape May, N. J	30.05	51	65	S.	10	4-4	.....	.....	.....	Threatening.
Charleston, S. C	29.89	70	90	S. W.	10	4-4	.....	.....	.25	Threatening.
Cheyenne, Wyo	29.71	59	0	S.	16	2-4	2-4	W.	.....	Cloudy.
Chicago, Ill	29.87	49	63	Calm.	0	4-4	.....	.....	.10	Cloudy.
Cincinnati, Ohio	29.79	55	74	E.	6	4-4	.....	.....	.18	Threatening.
Cleveland, Ohio	29.84	55	56	S. E.	7	4-4	.....	.....	.....	Cloudy.
Corinne, Utah	29.78	40	82	S. E.	12	4-4	.....	.....	.66	Threatening.
Davenport, Iowa	29.88	54	67	E.	6	4-4	.....	.....	.05	Cloudy.
Denver, Colo	29.72	63	11	E.	4	Smoky	4-4	.....	.....	Cloudy.
Detroit, Mich	29.85	53	61	E.	4	0	Hazy..	.....	.....	Fair.
Duluth, Minn	29.76	48	70	N. W.	12	Smoky	1-4	N. W.	.08	Threatening.
Eastport, Me	29.91	48	56	S.	4	3-4	1-4	N.	.....	Fair.
Escanaba, Mich	.....	46	62	S.	8	3-4	.....	.....	.....	Fair.
*Fort Benton, Mont	29.90	34	90	N.	16	4-4	.....	.....	.06	Heavy snow.
Fort Garry, Manitoba	29.76	55	19	E.	4	0	0	.....	.....	Clear.
Fort Gibson, Ind. T	29.92	66	54	N.	8	0	2-4	S. W.	.....	Fair.
Fort Sully, Dak	29.87	59	18	Calm.	0	1-4	2-4	W.	.....	Fair.
Galveston, Tex	29.82	78	78	S. E.	14	Hazy..	4-4	S. W.	.....	Threatening.
Grand Haven, Mich	29.83	57	41	Calm.	0	4-4	.....	.....	.....	Cloudy.
Indianapolis, Ind	29.78	52	86	N. E.	1	4-4	.....	.....	.....	Light rain.
Indianola, Tex	29.82	72	95	S. E.	6	4-4	.....	.....	.04	Cloudy.
Jacksonville, Fla	29.91	85	51	S. W.	24	Hazy..	2-4	S. W.	.....	Fair.
Keokuk, Iowa	29.86	52	73	N.	4	2-4	2-4	.....	.....	Cloudy.
Key West, Fla	30.00	85	64	S. E.	2	Hazy..	Hazy..	.....	.....	Fair.
Kingston, Canada	30.06	42	50	S. W.	6	0	1-4	W.	.....	Clear.
Knoxville, Tenn	29.74	71	56	S.	10	Hazy..	1-4	N. W.	.17	Clearing.
La Crosse, Wis	29.89	56	46	S.	12	3-4	1-4	S. E.	.....	Cloudy.
Lake City, Fla	29.93	80	58	S. W.	16	2-4	Hazy..	S. W.	.....	Fair.
Leavenworth, Kans	29.83	60	49	N.	2	2-4	0	.....	.....	Fair.
Louisville, Ky	29.75	56	81	N. W.	8	4-4	.....	.....	.02	Cloudy.
Lynchburg, Va	29.94	47	92	N. E.	8	4-4	.....	.....	.90	Light rain.
Marquette, Mich	29.76	61	35	S. W.	8	2-4	2-4	S. W.	.01	Cloudy.
Memphis, Tenn	29.79	71	70	S. W.	1	3-4	1-4	.....	.05	Cloudy.
Milwaukee, Wis	29.97	49	64	Calm.	0	Smoky	4-4	.....	.....	Cloudy.
Mobile, Ala	29.91	83	67	S. W.	11	1-4	1-4	W.	.....	Fair.
Montgomery, Ala	29.84	80	70	W.	4	1-4	2-4	W.	1.44	Cloudy.
Montreal, Canada	29.92	55	44	W.	8	0	0	.....	.....	Clear.
Mount Washington, N. H	29.97	24	74	W.	12	0	1-4	W.	.....	Fair.
Nashville, Tenn	29.74	73	56	W.	10	4-4	.....	.....	.....	Cloudy.
New London, Conn	30.05	52	47	S. W.	12	Hazy..	Hazy..	.....	.....	Fair.
New Orleans, La	29.87	79	74	S.	12	4-4	.....	.....	.....	Cloudy.
New York, N. Y	30.00	55	56	S.	9	4-4	.....	.....	.....	Cloudy.
Norfolk, Va	29.97	51	86	E.	12	4-4	.....	.....	.25	Heavy rain.
Omaha, Nebr	29.80	65	39	N. W.	4	0	2-4	N. W.	.....	Fair.
Oswego, N. Y	29.97	53	75	N. W.	1	Smoky	2-4	N. W.	.....	Fair.
Pembina, Dak	29.81	33	75	N. W.	8	0	1-4	.....	.....	Fair.
Philadelphia, Pa	30.01	59	48	S. W.	12	4-4	.....	.....	.....	Threatening.
Pittsburgh, Pa	29.92	47	82	E.	6	4-4	.....	.....	.15	Heavy rain.
Port Dover, Canada	29.92	55	66	Calm.	0	0	4-4	.....	.....	Foggy.
Port Stanley, Canada	29.92	54	53	E.	1	4-4	.....	.....	.....	Cloudy.
Portland, Me	29.92	52	41	S.	8	0	1-4	W.	.....	Fair.
*Portland, Oreg	29.97	56	62	S. W.	4	4-4	.....	.....	.....	Cloudy.
Punta Rassa, Fla	30.02	81	82	S. W.	12	Hazy..	0	.....	.....	Clear.
Quebec, Canada	29.88	53	52	S.	9	0	0	.....	.....	Clear.
Rochester, N. Y	29.99	50	25	N. E.	5	2-4	2-4	W.	.....	Fair.
San Diego, Cal	30.08	63	61	W.	10	0	2-4	W.	.....	Fair.
San Francisco, Cal	30.19	57	76	W.	28	0	2-4	W.	.02	Fair.
Santa Fé, N. Mex	29.66	60	10	W.	2	0	2-4	S. W.	.....	Fair
Saugeen, Canada	29.90	54	32	N.	5	1-4	2-4	N.	.....	Fair.
Savannah, Ga	29.93	68	90	W.	12	4-4	.....	.....	.49	Light rain.
Shreveport, La	29.75	86	48	S.	5	1-4	3-4	W.	.....	Cloudy.
Saint Louis, Mo	29.82	55	73	N. W.	10	2-4	1-4	N. W.	.01	Cloudy.
Saint Paul, Minn	29.72	59	48	S. W.	12	0	4-4	W.	.....	Cloudy.
Toledo, Ohio	29.83	50	72	N. E.	8	4-4	.....	.....	.....	Threatening.
Toronto, Canada	29.98	48	37	S. E.	2	Hazy..	4-4	W.	.....	Cloudy.
Vicksburg, Miss	29.81	84	60	S. W.	8	0	2-4	S. W.	.....	Fair.
Virginia City, Mont	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Washington, D. C	30.02	59	65	S.	8	4-4	.....	.....	.05	Light rain.
Wilmington, N. C	29.85	61	94	S. E.	7	4-4	.....	.....	.84	Light rain.
Yankton, Dak	29.82	61	58	N.	11	0	1-4	.....	.....	Fair.


WAR DEPARTMENT WEATHER MAP.
SIGNAL SERVICE, U.S. ARMY.
Division of Telegrams and Reports for the Benefit of Commerce and Agriculture
Washington, Monday, April 28, 1873—4.35 P. M.
All Observations made at the same moment of actual (not local) time.
Portland
St Boniface
Pembina
Duluth
Marquette
Eastanaba
Mackinaw
Quebec
Montreal
Kingston
Oswego
Sandusky
Toronto
Buffalo
Portland
Boston
Cambridge
Providence
New Haven
New York
Philadelphia
Baltimore
Washington
Norfolk
Wilmington
Charleston
Savannah
Jacksonville
Key West
Havana
CUBA
St DOMINGO
Porto Rico
Brookeridge
Virginia City
Ft Sully
St Paul
Green Bay
La Crosse
Milwaukee
Grand Haven
Chicago
Detroit
Toledo
Cleveland
Pittsburg
Cincinnati
Louisville
Indianapolis
Columbus
Wheeling
Lynchburg
Knoxville
Davenport
Keokuk
Leavenworth
St Louis
Cairo
Nashville
Memphis
Little Rock
Atlanta
Augusta
Vicksburg
Montgomery
Mobile
New Orleans
Galveston
Indianola
Brownsville
Waco
Ft Gibson
Santa Fe
Denver
Cheyenne
Omaha
Yankton
Humboldt City
San Francisco
San Diego
LOW
REFERENCES.
CLEAR
CLOUDY
SNOW
FAIR
RAIN
Note.
Barometric lines
Isothermal
PUBLISHED BY ORDER OF THE SECRETARY OF WAR

WASHINGTON, D. C.,
MONDAY, *April* 28, 1873—4.35 *p. m.*

SYNOPSIS.

The area of rain and low barometer in the Mississippi Valley has very rapidly extended eastward to the South Atlantic States and the southern portion of the Middle States. Warm, cloudy weather, low pressure, and southwesterly winds have prevailed, with occasional heavy rain, in the Gulf States. The pressure has decreased, with southwesterly winds, threatening weather, and rain, in the South Atlantic States. The pressure has diminished in the Lower Lake region and the Middle States, with southwesterly and northeasterly winds, increasing cloudiness and temperature, and occasional rain. Partly cloudy weather, northwesterly and southwesterly winds, and falling barometer, in Canada and New England. In the Northwest and on the Upper Lakes, and thence southward to Tennessee and Missouri, warm, cloudy weather, northwesterly to northeasterly winds, and occasional rain. The rivers have risen at New Orleans, Saint Louis, Keokuk, Davenport, Confluence, and Oil City, and fallen at Saint Paul, Louisville, Pittsburgh, Freeport, Evansville, and Cincinnati.

PROBABILITIES.

The storm-area now extending from the Ohio Valley to Tennessee will probably move northeastward quite rapidly. For the Southwest, Tennessee, and the Gulf States, excepting occasional rain to-night, cloudy and clearing weather, southwesterly and northwesterly winds, and slightly diminished temperature. For the South Atlantic States, rain to-night, followed by clearing and partly cloudy weather, with southeasterly and southwesterly winds, and increasing pressure, on Tuesday. For the Middle States and Lower Lakes, northeasterly winds, falling barometer, warmer, threatening, and rainy weather. For the Northwest and Upper Lakes, and thence southward to Kentucky and Missouri, occasional light rain, northwesterly winds, partly cloudy and clearing weather. For Canada and New England, increasing cloudiness, falling barometer, winds veering to northeasterly, and rain by Tuesday.

FACTS—11 P. M., (*following the above "Probabilities."*)

WIND AND WEATHER.

(1.) *Clear.*—At Breckenridge, Davenport, Leavenworth, Omaha, Oswego, Saugeen, and Quebec, calm; Portland, Me., wind SW., light; Cairo, Kingston, and Saint Paul, wind N., gentle; Burlington and Detroit, wind E., gentle; Montreal, wind W., gentle; Duluth, wind NW., gentle; Boston, wind SE., gentle; Charleston and San Francisco, wind W., fresh; Yankton, wind NE., fresh; Wilmington, wind NW., fresh.

(2.) *Fair.*—At Indianapolis, Pembina, and Keokuk, calm; Buffalo and Stanley, wind E., light; Milwaukee and Toronto, wind SW., light; Shreveport and New London, wind S., gentle; Dover and Memphis, wind N., gentle; Toledo, wind E., gentle; Rochester, wind SE., gentle; Cleveland, wind E., fresh; New York, wind S., fresh; Savannah, wind SW., fresh.

(3.) *Cloudy.*—At Augusta and Chicago, calm; Lynchburg, wind NE., gentle; Montgomery, wind SE., gentle; Cincinnati, Louisville, and Nashville, wind NW., gentle; Denver, wind S., gentle; Cheyenne, Galveston, and New Orleans, wind S., fresh; Philadelphia and Mobile, wind SW., fresh; Washington, wind SE., fresh; Saint Louis, wind NW., fresh; Corinne, wind NE., fresh; Norfolk, wind E., brisk.

(4.) *Rainy.*—At Escanaba and Marquette, wind calm; Baltimore, wind S., gentle; Pittsburgh, wind E., gentle.

GENERAL REMARKS AS TO VERIFICATIONS.

The above "Probabilities" were generally verified, except "for the Southwest, Tennessee, and the Gulf States, cloudy and clearing weather, southwesterly and northwesterly winds," and "for the South Atlantic States, clearing and partly cloudy weather on Tuesday," partly verified; "for Canada and New England, rain by Tuesday," not verified.

METEOROLOGICAL RECORD, APRIL 28, 1873—11 P. M.

Place of observation.	Barometer.	Thermometer.	Relative humidity, per cent.	Wind.		Clouds.			Rain-fall in last 8 hours.	State of the weather.
				Direction.	Velocity.	Amount of lower.	Amount of upper.	Direction of upper.		
*Alpena, Mich	29.90	35	80	Calm.	0	3-4	0			Cloudy.
Augusta, Ga	29.91	63	94	Calm.	0	4-4				Cloudy.
Baltimore, Md	29.99	50	86	S.	4	4-4			.14	Light rain.
Boston, Mass	29.98	51	52	S. E.	3	Hazy	0			Clear.
Breckenridge, Minn	29.98	38	86	Calm.	0	0	0			Clear.
Buffalo, N. Y	29.88	46	62	E.	1	1-4	0			Fair.
Burlington, Vt	29.95	43	58	E.	3	0	0			Clear.
Cairo, Ill	29.91	55	82	N.	4	0	0			Clear.
*Cape May, N. J	30.01	47	85	S.	12	4-4			.06	Light rain.
Charleston, S. C	29.90	66	94	W.	6	0	0			Clear.
Cheyenne, Wyo	29.62	52	23	S.	8	4-4				Cloudy.
Chicago, Ill	29.94	46	69	Calm.	0	4-4				Cloudy.
Cincinnati, Ohio	29.88	52	86	N. W.	5	4-4			.01	Threatening.
Cleveland, Ohio	29.85	48	78	E.	12	Hazy	1-4	E.		Fair.
Corinne, Utah	29.88	34	84	N. E.	7	4-4			.12	Cloudy.
Davenport, Iowa	29.92	47	85	Calm.	0	Smoky	0			Clear.
Denver, Colo	29.68	52	41	S.	5	4-4				Cloudy.
Detroit, Mich	29.88	46	77	E.	3	0	0			Clear.
Duluth, Minn	29.89	42	66	N. W.	5	0	0			Clear.
*Eastport, Me	29.98	40	73	S. W.	2	0	0			Clear.
Escanaba, Mich		40	82	Calm.	0	4-4				Light rain.
*Fort Benton, Mont	30.04	28	88	N. W.	13	4-4			.10	Light snow.
Fort Garry, Manitoba	29.85	38	49	Calm.	0	0	0			Fair.
*Fort Gibson, Ind. T	29.97	58	70	N. W.	6	0	0			Clear.
Fort Sully, Dak	29.87	50	32	E.	30	2-4				Threatening.
Galveston, Tex	29.83	74	90	S.	8	4-4				Threatening.
*Grand Haven, Mich	29.88	47	56	W.	4	4-4				Cloudy.
Indianapolis, Ind	29.87	49	93	Calm.	0	2-4	0		.01	Clearing.
*Indianola, Tex	29.84	72	95	S.	4	Fog				Foggy.
*Jacksonville, Fla	29.99	71	80	S.	6	0	0			Clear.
Keokuk, Iowa	29.94	50	93	Calm.	0	Fog	0			Fair.
*Key West, Fla	30.05	79	82	E.	12	Hazy	0			Fair.
Kingston, Canada	30.04	41	65	N.	3	0	0			Clear.
*Knoxville, Tenn	29.82	61	82	W.	4	4-4			.12	Cloudy.
*La Crosse, Wis	29.90	50	75	S.	12	2-4	2-4	S. E.		Cloudy.
*Lake City, Fla	29.96	73	85	S. W.	4	4-4				Cloudy.
Leavenworth, Kans	29.91	52	73	Calm.	0	0	0			Clear.
Louisville, Ky	29.87	53	86	N. W.	3	4-4				Cloudy.
Lynchburg, Va	29.92	47	92	N. E.	4	4-4			.10	Cloudy.
Marquette, Mich	29.84	43	83	Calm.	0	4-4			.01	Light rain.
Memphis, Tenn	29.88	64	83	N.	5	1-4				Fair.
Milwaukee, Wis	29.94	48	78	S. W.	1	2-4	Hazy			Clearing.
Mobile, Ala	29.93	74	85	S. W.	6	4-4				Cloudy.
Montgomery, Ala	29.83	71	94	S. E.	5	4-4				Threatening.
Montreal, Canada	29.95	46	54	W.	4	0	0			Clear.
*Mount Washington, N. H	29.99	21	71	W.	12	1-4	0			Fair.
Nashville, Tenn	29.86	63	72	N. W.	4	4-4				Cloudy.
New London, Conn	30.01	46	77	S.	4	2-4	0			Fair.
New Orleans, La	29.89	73	85	S.	8	4-4				Cloudy.
New York, N. Y	29.98	51	59	S.	10	Hazy	Hazy			Fair.
Norfolk, Va	29.91	49	89	E.	16	4-4			.22	Cloudy.
Omaha, Nebr	29.95	54	47	Calm.	0	0	0			Clear.
Oswego, N. Y	29.97	41	70	Calm.	0	0	Hazy			Clear.
Pembina, Dak	29.91	41	61	Calm.	0	1-4				Fair.
Philadelphia, Pa	30.00	51	72	S. W.	8	4-4				Threatening.
Pittsburgh, Pa	29.89	44	92	E.	4	4-4			.08	Light rain.
Port Dover, Canada	29.95	43	51	N.	4	0	2-4	N.		Fair.
Port Stanley, Canada	29.93	42	78	E.	1	2-4	0			Fair.
Portland, Me	29.97	44	59	S. W.	1	0	0			Clear.
*Portland, Oreg	30.14	52	86	E.	3	4-4			.10	Light rain.
*Punta Rassa, Fla	30.07	76	91	S.	5	0	0			Clear.
Quebec, Canada	29.95	40	64	Calm.	0	0	0			Clear.
Rochester, N. Y	29.94	46	39	S. E.	4	1-4	0			Fair.
San Diego, Cal	30.08	59	76	W.	10	4-4				Cloudy.
San Francisco, Cal	30.19	53	61	W.	12	0	0			Clear.
*Santa Fé, N. Mex	29.59	54	10	S.	17	3-4	0			Cloudy.
Saugeen, Canada	29.91	45	76	Calm.	0	Hazy	0			Clear.
Savannah, Ga	29.93	66	94	S. W.	8	2-4	0		.12	Fair.
Shreveport, La	29.76	75	68	S.	4	0	1-4	W.		Fair.
Saint Louis, Mo	29.92	52	76	N. W.	6	4-4				Cloudy.
Saint Paul, Minn	29.87	46	69	N.	4	0	0			Clear.
Toledo, Ohio	29.87	47	85	E.	3	2-4	0			Fair.
Toronto, Canada	29.96	40	47	S. W.	2	Hazy	2-4			Fair.
*Vicksburg, Miss	29.84	76	76	S.	4	0	Hazy			Fair.
Virginia City, Mont										
Washington, D. C	29.99	56	69	S. E.	8	4-4			23	Threatening.
Wilmington, N. C	29.89	61	88	N. W.	12	Hazy	0			Clear.
Yankton, Dak	29.93	48	80	N. E.	7	Hazy	Hazy			Clear.

WAR DEPARTMENT WEATHER MAP.
SIGNAL SERVICE, U.S. ARMY.
Division of Telegrams and Reports for the Benefit of Commerce and Agriculture.
Washington, Monday, April 28, 1873—11 P. M.
All Observations made at the same moment of actual (not local) time.
REFERENCES.
CLEAR
CLOUDY
SNOW
FAIR
RAIN
Note.
Isobarometric lines
Isothermal
PUBLISHED BY ORDER OF THE SECRETARY OF WAR.
BRIG. GENL. & CHIEF SIGNAL OFFICER U.S.A.
Duluth
Marquette
Green Bay
Milwaukee
Chicago
Davenport
Omaha
Leavenworth
St. Louis
Cairo
Louisville
Nashville
Memphis
Little Rock
Vicksburg
Mobile
New Orleans
Galveston
Indianola
Brownsville
Waco
Ft. Sill
Ft. Gibson
Ft. Smith
Ft. Sully
Yankton
La Crosse
Detroit
Toledo
Cleveland
Pittsburg
Indianapolis
Cincinnati
Chattanooga
Atlanta
Augusta
Savannah
Charleston
Wilmington
Norfolk
Washington
Baltimore
Philadelphia
New York
Boston
Portland
Quebec
Montreal
Oswego
Rochester
Buffalo
Alpena
Saugeen
Kingston
Humboldt City
Virginia City
Salt Lake City
Denver
Santa Fe
San Diego
Key West
Havana
Cuba
ST. DOMINGO

WASHINGTON, D. C.,
MONDAY, *April* 28, 1873—11 *p. m.*

SYNOPSIS.

The rain-area has moved northeastward from Tennessee, Alabama, and Georgia, to Virginia. Northwesterly to southwesterly winds, partly cloudy and clearing weather, with slightly increased pressure, in Tennessee, the Gulf and South Atlantic States. Light northwesterly winds, partly cloudy and clearing weather, prevail, with slightly increased pressure, from Michigan to Iowa, and thence to Kentucky and Missouri. Northeasterly and southeasterly winds, occasional rain, and cloudy weather, with falling barometer, on the Lower Lakes and in the Middle States. Generally clear weather and light southerly winds in New England and Canada.

PROBABILITIES.

The barometer will probably fall in the Atlantic States, with light southeasterly and northeasterly winds. From Iowa to Michigan and southward to the Ohio Valley, generally clearing and cool weather, with light northwesterly winds. For Kentucky, Tennessee, the Gulf and South Atlantic States, cloudy and clearing weather, southwesterly winds, and occasional rain. For the Lower Lakes and Middle States, generally cloudy weather, occasional rain, and southeasterly and northeasterly winds. For New England and Canada, increasing cloudiness, southeasterly to northeasterly winds, and occasional rain.

Reports are missing from some of the Southern States, the Southwest, and Northwest.

FACTS—7.35 A. M., (*following the above "Probabilities."*)

WIND AND WEATHER.

(1.) *Clear.*—At Quebec, Duluth, Pembina, and Saint Paul, calm; Burlington and Indianapolis, wind NW., light; Eastport, wind N., light; Breckenridge, wind SE., light; Montreal and San Francisco, wind NW., gentle; Fort Gibson, wind E., gentle.

(2.) *Fair.*—At Chicago, Keokuk, Oswego, Pittsburgh, and Saint Louis, calm; Kingston, wind N., light; Milwaukee, wind W., light; Portland, Me., Nashville, and Cleveland, wind NE., gentle; Boston, wind NW., gentle; Key West and Rochester, wind SE., fresh; Dover, wind N., fresh; Toronto, wind E., fresh; Davenport, wind NW., fresh; La Crosse, wind NE., fresh; New York and New London, wind SW., fresh.

(3.) *Cloudy.*—At Lynchburg and Wilmington, calm; Stanley, wind NE., light; Buffalo, Omaha, and Charleston, wind E., gentle; Jacksonville and Mobile, wind S., gentle; Detroit and Knoxville, wind NE., gentle; Lake City, wind SW., gentle; Punta Rassa, wind SE., gentle; Louisville, wind NW., gentle; Toledo, wind N., gentle; Norfolk and Yankton, wind NE., fresh; Cincinnati and Marquette, wind NW., fresh; Cheyenne and Grand Haven, wind W., fresh; Memphis, wind N., fresh; Galveston and New Orleans, wind S., fresh; Shreveport, wind E., fresh.

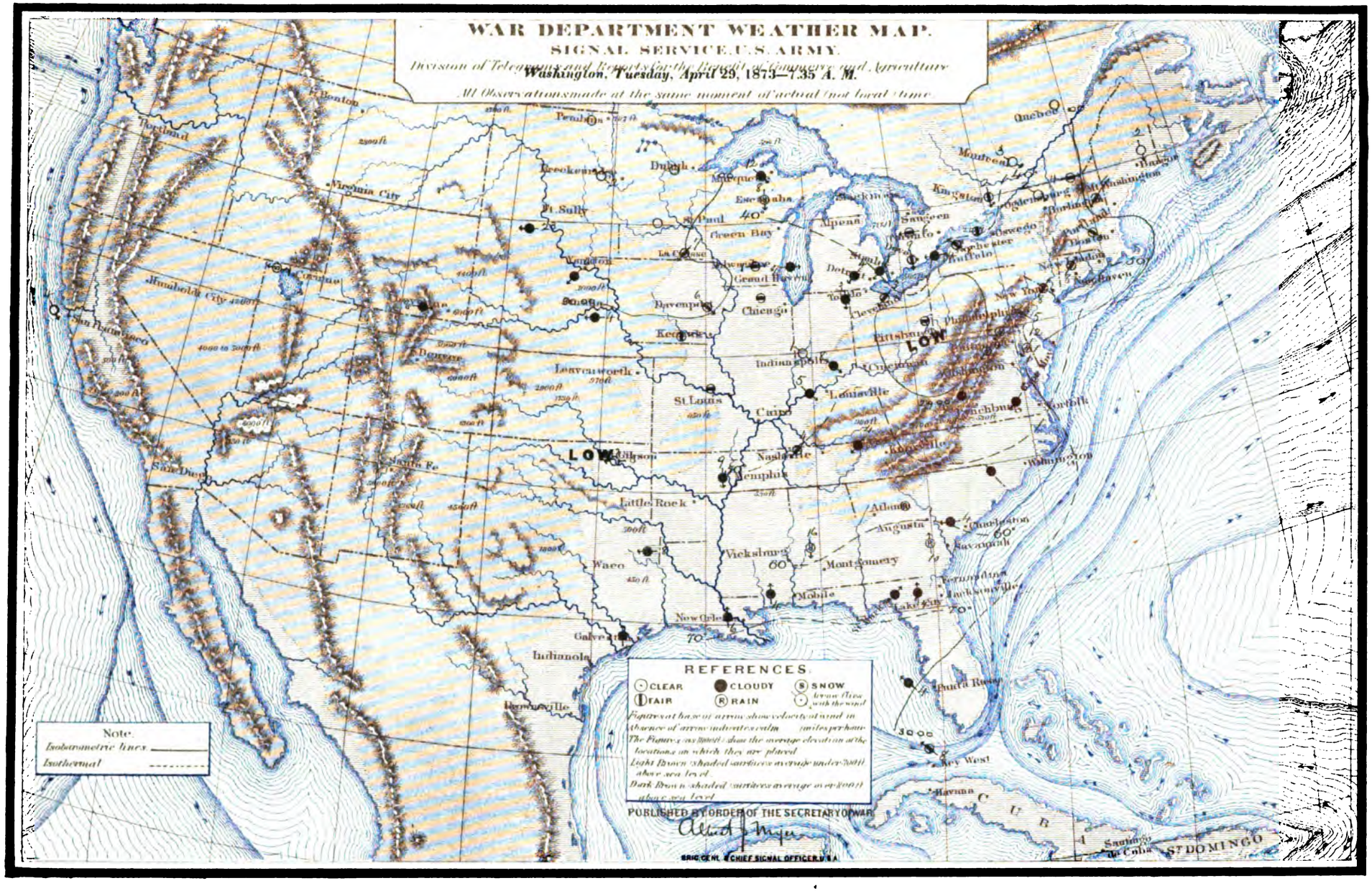
(4.) *Rainy.*—At Augusta, calm; Baltimore and Washington, wind NE., gentle; Philadelphia, wind SE., gentle; Cape May, wind NE., fresh; Escanaba, wind N., fresh; Savannah, wind S., fresh; Montgomery, wind N., brisk.

GENERAL REMARKS AS TO VERIFICATIONS.

The above "Probabilities" were generally verified, except "the barometer will probably fall in the Atlantic States," "from Ohio to Michigan, light northwesterly winds," and "for Kentucky, Tennessee, the Gulf and South Atlantic States, southwesterly winds," partly verified.

METEOROLOGICAL RECORD, APRIL 29, 1873—7.35 A. M.

Place of observation.	Barometer.	Thermometer.	Relative humidity, per cent.	Wind.		Clouds.			Rain-fall in last 8 hours.	State of the weather.
				Direction.	Velocity.	Amount of lower.	Amount of upper.	Direction of upper.		
*Alpena, Mich	29.93	40	73	N. W.	4	4-4	.....	.....	.....	Cloudy.
Augusta, Ga	29.93	64	94	Calm.	0	4-4	.....	.....	.03	Light rain.
Baltimore, Md	30.00	48	82	N. E.	4	4-4	.....	.....	.11	Light rain.
Boston, Mass	29.95	50	65	N. W.	5	Fog...	2-4	N. W.	.....	Fair.
Breckenridge, Minn	30.03	36	90	S. E.	2	0	0	.....	.....	Clear.
Buffalo, N. Y	29.87	46	69	E.	4	0	4-4	E.	.....	Cloudy.
Burlington, Vt	29.98	42	42	N. W.	2	0	0	.....	.....	Clear.
*Cairo, Ill	29.94	50	93	N. E.	4	1-4	1-4	.....	.....	Fair.
Cape May, N. J	29.96	46	92	N. E.	12	4-4	.....	.....	.14	Light rain.
Charleston, S. C	29.90	67	89	E.	4	4-4	.....	.....	.10	Cloudy.
Cheyenne, Wyo	29.62	35	80	W.	8	4-4	.....	.....	.....	Cloudy.
Chicago, Ill	29.98	44	75	Calm.	0	Smoky	2-4	.....	.....	Fair.
Cincinnati, Ohio	29.95	52	73	N. W.	8	4-4	.....	.....	.....	Cloudy.
Cleveland, Ohio	29.87	47	85	N. E.	3	4-4	.....	.....	.....	Foggy.
Corinne, Utah	29.89	34	90	E.	1	4-4	.....	.....	.....	Light snow.
Davenport, Iowa	29.98	44	83	N. W.	6	Smoky	Hazy..	.....	.....	Fair.
*Denver, Colo	29.68	40	82	Calm.	0	0	1-4	S. W.	.....	Fair.
Detroit, Mich	29.90	45	80	N. E.	4	4-4	0	.....	.....	Threatening.
Duluth, Minn	30.01	42	74	Calm.	0	0	0	.....	.....	Clear.
Eastport, Me	30.02	41	74	N.	2	0	0	.....	.....	Clear.
Escanaba, Mich	.....	40	91	N.	8	4-4	.....	.....	.01	Light rain.
*Fort Benton, Mont	30.14	27	76	W.	2	2-4	2-4	W.	.02	Cloudy.
Fort Garry, Manitoba	29.94	30	89	E.	1	2-4	0	.....	.....	Fair.
*Fort Gibson, Ind. T	29.97	50	79	E.	5	0	0	.....	.....	Clear.
Fort Sully, Dak	29.96	42	62	E.	23	4-4	.....	.....	.....	Cloudy.
Galveston, Tex	29.82	72	90	S.	7	4-4	.....	.....	.....	Threatening.
Grand Haven, Mich	29.92	46	69	W.	7	4-4	.....	.....	.....	Cloudy.
Indianapolis, Ind	29.97	73	85	N. W.	1	Hazy..	0	.....	.....	Clear.
*Indianola, Tex	29.84	72	95	S. E.	8	4-4	.....	.....	.....	Cloudy.
Jacksonville, Fla	29.98	73	85	S.	4	4-4	.....	.....	.....	Cloudy.
Keokuk, Iowa	29.97	44	84	Calm.	0	Fog...	1-4	.....	.....	Fair.
Key West, Fla	30.01	80	82	S. E.	8	Hazy..	2-4	W.	.....	Fair.
Kingston, Canada	30.05	40	73	N.	2	0	2-4	.....	.....	Fair.
Knoxville, Tenn	29.93	58	75	N. E.	4	4-4	.....	.....	.....	Cloudy.
La Crosse, Wis	30.06	42	89	N. E.	7	0	1-4	N. E.	.....	Fair.
Lake City, Fla	29.95	72	90	S. W.	4	4-4	.....	.....	.....	Cloudy.
*Leavenworth, Kans	29.92	48	70	Calm.	0	Smoky	2-4	N. W.	.....	Fair.
Louisville, Ky	29.93	50	86	N. W.	5	4-4	.....	.....	.....	Cloudy.
Lynchburg, Va	29.93	47	92	Calm.	0	4-4	.....	.....	.....	Cloudy.
Marquette, Mich	29.96	38	90	N. W.	12	4-4	.....	.....	.39	Cloudy.
Memphis, Tenn	29.93	55	80	N.	9	4-4	.....	.....	.....	Cloudy.
Milwaukee, Wis	29.96	47	77	W.	1	Hazy..	Hazy..	.....	.....	Fair.
Mobile, Ala	29.92	74	85	S.	4	2-4	1-4	.....	.....	Cloudy.
Montgomery, Ala	29.92	61	100	N.	16	4-4	.....	.....	1.34	Heavy rain.
Montreal, Canada	29.97	43	66	N. W.	3	0	0	.....	.....	Clear.
Mount Washington, N. H	30.00	22	72	W.	4	1-4	0	.....	.....	Fair.
Nashville, Tenn	29.93	54	80	N. E.	4	0	1-4	W.	.....	Fair.
New London, Conn	29.99	51	68	S. W.	8	0	2-4	.....	.....	Fair.
New Orleans, La	29.87	72	90	S.	6	4-4	.....	.....	.....	Cloudy.
New York, N. Y	29.99	48	85	S. W.	8	1-4	Hazy..	.....	.01	Fair.
Norfolk, Va	29.97	50	85	N. E.	6	4-4	.....	.....	.....	Cloudy.
Omaha, Nebr	29.95	45	84	E.	4	4-4	.....	.....	.....	Cloudy.
Oswego, N. Y	29.97	43	62	Calm.	0	1-4	2-4	W.	.....	Fair.
Pembina, Dak	29.99	39	63	Calm.	0	0	0	.....	.....	Clear.
Philadelphia, Pa	30.01	47	84	S. E.	5	4-4	.....	.....	.08	Light rain.
Pittsburgh, Pa	29.89	45	92	Calm.	0	Fog...	.....	.....	.12	Foggy.
Port Dover, Canada	29.95	39	64	N.	9	0	2-4	N.	.....	Fair.
Port Stanley, Canada	29.95	43	59	N. E.	1	4-4	.....	.....	.....	Cloudy.
Portland, Me	29.96	49	44	N. E.	4	0	1-4	S. W.	.....	Fair.
*Portland, Oreg	30.33	49	85	S. E.	5	4-4	.....	.....	.02	Cloudy.
Punta Rassa, Fla	30.03	78	86	S. E.	4	Smoky	4-4	S.	.....	Cloudy.
Quebec, Canada	30.00	43	67	Calm.	0	1-4	0	.....	.....	Clear.
Rochester, N. Y	29.95	43	43	S. E.	8	Smoky	2-4	W.	.....	Fair.
*San Diego, Cal	30.03	52	86	W.	1	1-4	0	.....	.....	Fair.
San Francisco, Cal	30.20	51	64	N. W.	4	0	0	.....	.....	Clear.
*Santa Fé, N. Mex	29.55	41	65	S. W.	8	4-4	.....	.....	.....	Cloudy.
*Saugeen, Canada	29.94	45	61	S. E.	2	2-4	1-4	S. E.	.....	Fair.
Savannah, Ga	29.90	65	90	S.	10	4-4	.....	.....	.83	Light rain.
*Shreveport, La	29.84	67	89	S.	8	4-4	.....	.....	.01	Cloudy.
Saint Louis, Mo	29.96	47	77	Calm.	0	Hazy..	.....	.....	.....	Fair.
Saint Paul, Minn	30.00	42	66	Calm.	0	0	0	.....	.....	Clear.
Toledo, Ohio	29.91	47	77	N.	3	4-4	.....	.....	.....	Cloudy.
Toronto, Canada	29.98	45	61	E.	6	1-4	2-4	S. W.	.....	Fair.
*Vicksburg, Miss	29.80	67	84	Calm.	0	0	3-4	N. W.	.....	Fair.
Virginia City, Mont	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Washington, D. C	29.98	48	84	N. E.	4	4-4	.....	.....	.06	Light rain.
Wilmington, N. C	29.92	56	87	Calm.	0	4-4	.....	.....	.....	Cloudy.
Yankton, Dak	30.00	39	85	N. E.	6	4-4	.....	.....	.01	Cloudy.


WAR DEPARTMENT WEATHER MAP.
SIGNAL SERVICE, U.S. ARMY.
Division of Telegrams and Reports for the Benefit of Commerce and Agriculture
Washington, Tuesday, April 29, 1873—7.35 A. M.
All Observations made at the same moment of actual (not local) time.
LOW
LOW
REFERENCES.
CLEAR
CLOUDY
SNOW
FAIR
RAIN
Figures at base of arrow show velocity of wind in miles per hour. Absence of arrow indicates calm.
The Figures (as 2000 ft) show the average elevation of the locations in which they are placed.
Light Brown shaded surfaces average under 500 ft above sea level.
Dark Brown shaded surfaces average over 1000 ft above sea level.
Note.
Isobarometric lines
Isothermal
PUBLISHED BY ORDER OF THE SECRETARY OF WAR.
BRIG. GEN'L & CHIEF SIGNAL OFFICER U.S.A.
Portland
Virginia City
Ft. Sully
Humboldt City
San Francisco
Denver
Leavenworth
St. Louis
Cairo
Louisville
Nashville
Memphis
Little Rock
Vicksburg
Mobile
New Orleans
Galveston
Indianola
Brownsville
Waco
Santa Fe
San Diego
Ft. Benton
Pembina
Duluth
Marquette
Eastmain
Omaha
St. Paul
Green Bay
La Crosse
Dubuque
Grand Haven
Chicago
Davenport
Keokuk
Indianapolis
Cincinnati
Pittsburg
Cleveland
Toledo
Detroit
Buffalo
Rochester
Oswego
Alpena
Mackinaw
Sandusky
Quebec
Montreal
Kingston
Oswegatchie
Portland
Boston
New Haven
New York
Philadelphia
Washington
Lynchburg
Norfolk
Knoxville
Wilmington
Atlanta
Augusta
Charleston
Savannah
Montgomery
Fernandina
Jacksonville
Lake City
Key West
Havana
Cuba
St. Domingo
Puerta Rico
Saghalin

WASHINGTON, D. C.,
TUESDAY, *April* 29, 1873—7.35 *a. m.*

SYNOPSIS.

The pressure has increased in the Southern and Gulf States, and there are rain-belts in the Eastern Gulf and extreme South Atlantic States, Maryland, Delaware, and Pennsylvania. Southwesterly and northwesterly winds and cloudy weather in the Western Gulf States and the South Atlantic States. The pressure has increased, with partly cloudy weather, falling temperature, and northwesterly winds, in the Northwest and on the Upper Lakes, and thence southward to the Ohio Valley and Missouri. Threatening weather, northeasterly winds, low barometer, fog, and rain prevail in the Lower Lake region and in the Middle States. In Canada and New England, partly cloudy weather, northwesterly to northeasterly winds, and diminished pressure.

PROBABILITIES.

The temperature will probably fall in the Lake region, and thence to the Ohio Valley. For the Northwest and Upper Lakes, and thence southward to Kentucky and the Lower Missouri Valley, partly cloudy weather, low temperature, and northerly winds. For Tennessee and the Gulf States, northerly winds, veering to southerly on the Gulf coast, and cloudy and clearing weather, with occasional rain. For the South Atlantic States, generally cloudy weather, occasional rain, and northerly winds, veering to southwesterly. For the Lower Lakes and Middle States, northeasterly to southeasterly winds, generally cloudy and rainy weather, and diminishing pressure. For Canada and New England, diminishing pressure, northeasterly to easterly winds, increasing cloudiness, and rain.

Reports are missing from the Southwest and Oregon.

FACTS—4.35 P. M., (*following the above "Probabilities."*)

WIND AND WEATHER.

(1.) *Clear.*—At Quebec, calm; Montreal, wind NE., light; Burlington, wind N., gentle; Eastport, wind S., gentle; Nashville, wind NE., gentle; Stanley, wind SW., gentle; Marquette, wind SE., gentle; Duluth, wind NE., fresh; Escanaba, wind N., brisk; Grand Haven and San Diego, wind NW., brisk; San Francisco, wind W., brisk.

(2.) *Fair.*—At Lynchburg and Virginia City, calm; Dover, wind S., light; Keokuk, wind NE., light; Saugeen, wind NW., light; Davenport, Cairo, and Portland, Me., wind E., gentle; Key West, Memphis, and Louisville, wind NW., gentle; Vicksburg, wind SE., gentle; Cleveland, wind NW., gentle; Knoxville, wind SW., gentle; Kingston, wind W., gentle; Punta Rassa, wind W., fresh; Cincinnati and Indianapolis, wind N., fresh; Milwaukee, Fort Gibson, and Saint Louis, wind E., fresh; Portland, Oreg., wind SW., fresh; Chicago, wind NE., fresh; Pembina, wind SE., fresh.

(3.) *Cloudy.*—At Augusta and Savannah, calm; La Crosse, wind NE., light; Oswego, wind NW., light; Wilmington, wind E., light; Montgomery, wind W., light; Mobile, Buffalo, and Baltimore, wind SE., gentle; New York, New Orleans, Charleston, Washington, and Toronto, wind S., gentle; Norfolk, wind NE., gentle; Saint Paul and Rochester, wind E., gentle; Philadelphia, wind SW., gentle; Cape May and Shreveport, wind E., fresh; Detroit, wind W., fresh; Galveston, Indianola, and Leavenworth, wind SE., fresh; Toledo, wind S., fresh; Jacksonville, wind SW., fresh; Cheyenne, wind NW., brisk; Corinne, wind N., brisk; Denver, wind NE., brisk; Omaha, wind E., brisk.

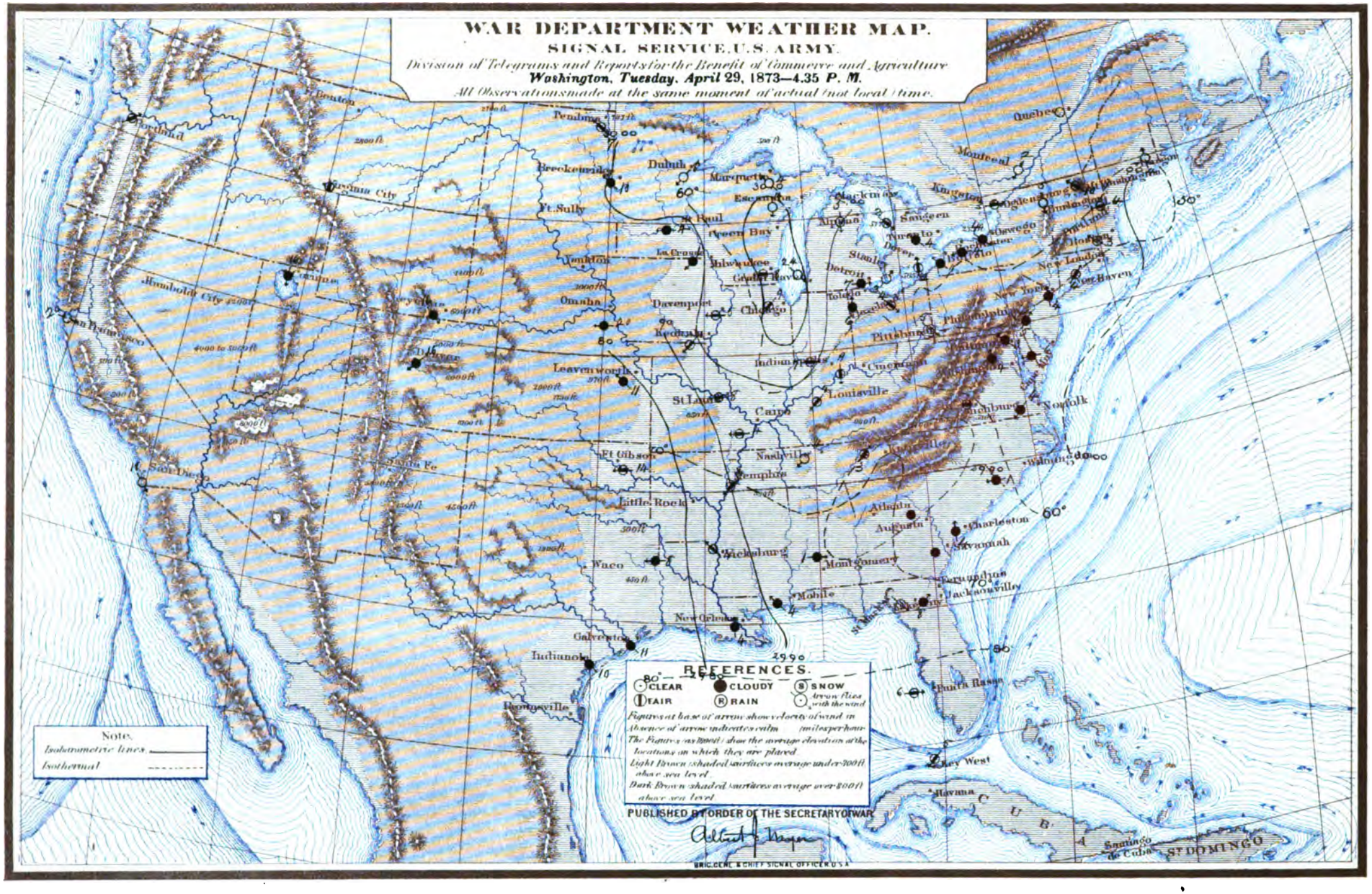
(4.) *Rainy.*—At Boston, wind SE., gentle; Alpena, wind N., gentle; Pittsburgh, wind NW., gentle; Lake City, wind NW., fresh.

GENERAL REMARKS AS TO VERIFICATIONS.

The above "Probabilities" were generally verified, except "the temperature will probably fall in the Lake region and thence to the Ohio Valley," "for the Northwest, northerly winds," "for the Gulf States, northerly winds, veering to southerly," "for the South Atlantic States, northerly winds, veering to southwesterly," "for the Lower Lakes and Middle States, northeasterly to southeasterly winds, generally cloudy and rainy weather, and diminishing pressure," and "for Canada and New England, increasing cloudiness and rain," partly verified.

METEOROLOGICAL RECORD, APRIL 29, 1873—4.35 P. M.

Place of observation.	Barometer.	Thermometer.	Relative humidity, per cent.	Wind.		Clouds.			Rain-fall in last 8 hours.	State of the weather.
				Direction.	Velocity.	Amount of lower.	Amount of upper.	Direction of upper.		
Alpena, Mich	29.99	46	92	N.	5	2-4	2-4	N.	.....	Light rain.
Augusta, Ga	29.92	68	84	Calm.	0	0	4-4	S. W.	.12	Threatening.
Baltimore, Md	29.99	51	82	S. E.	3	4-4	.....	.....	.02	Threatening.
Boston, Mass	29.97	51	79	S. E.	3	4-4	.....	.....	.04	Light rain.
Breckenridge, Minn	30.01	56	51	S. E.	10	Hazy..	4-4	W.	.....	Cloudy.
Buffalo, N. Y	29.93	47	85	S. E.	4	4-4	.....	.....	.16	Cloudy.
Burlington, Vt	29.89	60	24	N.	5	0	0	.....	.....	Clear.
Cairo, Ill	29.93	67	41	E.	4	Hazy..	1-4	.....	.....	Fair.
Cape May, N. J	29.97	57	72	E.	6	4-4	.....	.....	.02	Cloudy.
Charleston, S. C	29.92	67	89	S.	4	4-4	.....	.....	.31	Cloudy.
Cheyenne, Wyo	29.68	45	61	N. W.	16	4-4	.....	.....	.....	Cloudy.
Chicago, Ill	30.13	45	91	N. E.	9	Hazy..	2-4	.....	.....	Fair.
Cincinnati, Ohio	29.97	63	38	N.	9	Smoky	2-4	W.	.....	Fair.
Cleveland, Ohio	29.96	46	84	N. W.	4	0	2-4	W.	.....	Fair.
Corinne, Utah	30.00	38	81	N.	16	4-4	.....	.....	.05	Cloudy.
Davenport, Iowa	30.00	63	46	E.	5	0	2-4	W.	.....	Fair.
Denver, Colo	29.77	36	80	N. E.	16	4-4	.....	.....	.17	Threatening.
Detroit, Mich	29.93	57	39	W.	7	2-4	2-4	S. W.	.....	Cloudy.
Duluth, Minn	30.06	56	29	N. E.	8	0	0	.....	.....	Clear.
Eastport, Me	30.01	47	62	S.	4	Hazy..	0	.....	.....	Clear.
Escanaba, Mich	.....	52	35	N.	16	0	0	.....	.....	Clear.
*Fort Benton, Mont	30.23	39	46	S. W.	8	0	2-4	N. W.	.....	Fair.
Fort Garry, Manitoba	29.89	60	38	S. W.	13	2-4	1-4	W.	.....	Fair.
Fort Gibson, Ind. T	29.72	77	49	E.	15	Hazy..	2-4	W.	.....	Fair.
*Fort Sully, Dak	29.97	47	85	E. S. E.	23	4-4	.....	.....	.09	Light rain.
Galveston, Tex	29.76	79	78	S. E.	11	Hazy..	4-4	S. W.	.....	Cloudy.
Grand Haven, Mich	30.02	46	67	N. W.	24	0	1-4	N. W.	.....	Clear.
Indianapolis, Ind	29.95	64	37	N.	7	0	2-4	N. W.	.....	Fair.
Indianola, Tex	29.73	74	90	S. E.	10	3-4	1-4	W.	.....	Cloudy.
Jacksonville, Fla	29.97	79	66	S. W.	8	4-4	.....	.....	.....	Cloudy.
Keokuk, Iowa	30.00	63	52	N. E.	1	Smoky	1-4	.....	.....	Fair.
Key West, Fla	29.94	86	61	N. E.	5	Hazy..	Hazy..	.....	.....	Fair.
Kingston, Canada	29.98	57	41	W.	3	0	3-4	.....	.....	Fair.
Knoxville, Tenn	29.88	72	40	S. W.	3	Hazy..	1-4	.....	.....	Fair.
La Crosse, Wis	30.03	66	23	N. E.	1	Smoky	4-4	N. W.	.....	Cloudy.
Lake City, Fla	29.98	78	94	N. W.	8	4-4	.....	.....	.46	Light rain.
Leavenworth, Kans	29.78	65	31	N. E.	11	4-4	.....	.....	.....	Cloudy.
Louisville, Ky	29.95	61	50	S. E.	4	1-4	0	.....	.....	Fair.
Lynchburg, Va	29.89	61	61	Calm.	0	0	2-4	W.	.....	Fair.
Marquette, Mich	30.10	47	77	S. E.	4	0	0	.....	.....	Clear.
Memphis, Tenn	29.92	70	52	N. E.	4	0	2-4	S. W.	.....	Fair.
Milwaukee, Wis	30.10	46	77	E.	8	0	3-4	S. W.	.....	Fair.
Mobile, Ala	29.90	77	77	S. E.	4	4-4	.....	.....	.....	Cloudy.
Montgomery, Ala	29.91	72	71	W.	1	0	4-4	S. W.	1.00	Cloudy.
Montreal, Canada	29.98	59	43	N. E.	2	0	0	.....	.....	Clear.
Mount Washington, N. H	30.03	28	77	S. E.	10	Hazy..	2-4	S. E.	.....	Fair.
Nashville, Tenn	29.94	66	50	N. E.	4	0	0	.....	.....	Clear.
New London, Conn	29.97	58	48	S. W.	4	0	2-4	S. W.	.....	Fair.
New Orleans, La	29.85	79	74	S.	4	4-4	.....	.....	.....	Cloudy.
New York, N. Y	29.97	55	50	S.	4	2-4	2-4	W.	.....	Cloudy.
Norfolk, Va	29.98	54	83	N. E.	4	0	4-4	.....	.....	Cloudy.
Omaha, Nebr	29.84	65	39	E.	20	4-4	.....	.....	.....	Cloudy.
Oswego, N. Y	29.93	53	40	N. W.	4	4-4	.....	.....	.....	Cloudy.
Pembina, Dak	29.97	59	33	S. E.	7	0	1-4	.....	.....	Fair.
Philadelphia, Pa	29.97	51	72	S. W.	5	4-4	.....	.....	.01	Threatening.
Pittsburgh, Pa	29.94	51	79	N. W.	5	4-4	.....	.....	.....	Light rain.
Port Dover, Canada	29.97	53	61	S.	2	0	2-4	N.	.....	Fair.
Port Stanley, Canada	29.97	50	32	S. W.	3	0	1-4	.....	.....	Clear.
Portland, Me	29.97	46	76	E.	4	0	1-4	N. W.	.....	Fair.
Portland, Oreg	30.41	58	53	S. W.	10	0	4-4	.....	.....	Fair.
Punta Rassa, Fla	29.99	83	74	W.	6	Smoky	1-4	.....	.....	Fair.
Quebec, Canada	29.93	55	50	Calm.	0	0	0	.....	.....	Clear.
Rochester, N. Y	29.95	53	31	E.	4	4-4	.....	.....	.....	Cloudy.
San Diego, Cal	30.00	66	52	N. W.	18	Hazy..	0	.....	.....	Clear.
San Francisco, Cal	30.23	59	54	W.	20	0	0	.....	.....	Clear.
*Santa Fé, N. Mex	29.52	41	25	S. W.	12	4-4	.....	.....	.09	Cloudy.
Saugeen, Canada	29.98	43	75	N. W.	2	1-4	2-4	N. W.	.....	Fair.
Savannah, Ga	29.99	68	84	Calm.	0	4-4	.....	.....	2.15	Cloudy.
Shreveport, La	29.75	75	66	E.	8	Hazy..	4-4	S. E.	.....	Cloudy.
Saint Louis, Mo	29.95	64	43	E.	8	1-4	1-4	E.	.....	Fair.
Saint Paul, Minn	29.96	61	31	E.	4	0	4-4	.....	.....	Cloudy.
Toledo, Ohio	29.93	61	55	S.	6	3-4	1-4	.....	.....	Cloudy.
Toronto, Canada	29.95	54	34	S. E.	4	3-4	1-4	S. E.	.....	Cloudy.
Vicksburg, Miss	29.85	82	55	S. E.	4	0	2-4	.....	.....	Fair.
Virginia City, Mont	29.83	31	78	Calm.	0	4-4	.....	.....	.41	Clearing.
Washington, D. C	29.97	59	59	S.	4	Smoky	4-4	S. E.	.03	Cloudy.
Wilmington, N. C	29.94	58	91	E.	1	4-4	.....	.....	.40	Cloudy.
*Yankton, Dak	30.01	33	85	N. E.	6	4-4	.....	.....	.01	Cloudy.


WAR DEPARTMENT WEATHER MAP.
SIGNAL SERVICE, U.S. ARMY.
Division of Telegrams and Reports for the Benefit of Commerce and Agriculture
Washington, Tuesday, April 29, 1873—4.35 P. M.
All Observations made at the same moment of actual (not local) time.
REFERENCES.
CLEAR
CLOUDY
SNOW
FAIR
RAIN
Arrow flies with the wind
Figures at base of arrow show velocity of wind in miles per hour
Absence of arrow indicates calm
The Figures (as 2000ft) show the average elevation of the locations on which they are placed
Light Brown (shaded) surfaces average under 500 ft. above sea level.
Dark Brown (shaded) surfaces average over 2000 ft. above sea level.
Note.
Isobarometric lines
Isothermal
PUBLISHED BY ORDER OF THE SECRETARY OF WAR
BRIG. GENL. & CHIEF SIGNAL OFFICER U.S.A.
Portland
Boston
Virginia City
Humboldt City
San Francisco
San Diego
Pembina
Duluth
Marquette
Escanaba
Brecksville
Ft. Sully
St. Paul
Green Bay
Yankton
La Crosse
Milwaukee
Grand Haven
Omaha
Davenport
Chicago
Keokuk
Leavenworth
St. Louis
Cairo
Indianapolis
Cincinnati
Louisville
Nashville
Memphis
Ft. Gibson
Little Rock
Vicksburg
Waco
New Orleans
Galveston
Indianola
Brownsville
Mobile
Montgomery
Atlanta
Augusta
Charleston
Savannah
Jacksonville
Key West
Havana
Santiago de Cuba
St. DOMINGO
Quebec
Montreal
Kingston
Ogdensburg
Sandusky
Toledo
Detroit
Buffalo
Rochester
Oswego
Portland
Boston
New London
New Haven
New York
Philadelphia
Pittsburg
Baltimore
Washington
Lynchburg
Norfolk
Wilmington
Knoxville
Cheyenne
Denver
Santa Fe
Yuma
Humboldt City
Pembina
Duluth
Marquette
Escanaba
Green Bay
Milwaukee
Grand Haven
Chicago
Davenport
Keokuk
Omaha
Leavenworth
St. Louis
Cairo
Louisville
Nashville
Memphis
Little Rock
Vicksburg
Mobile
New Orleans
Galveston
Indianola
Brownsville
Key West
Havana
Santiago de Cuba
St. DOMINGO
Quebec
Montreal
Kingston
Ogdensburg
Sandusky
Toledo
Detroit
Buffalo
Rochester
Oswego
Portland
Boston
New London
New Haven
New York
Philadelphia
Pittsburg
Baltimore
Washington
Lynchburg
Norfolk
Wilmington
Knoxville
Atlanta
Augusta
Charleston
Savannah
Jacksonville
Cheyenne
Denver
Santa Fe
Yuma
Humboldt City
San Francisco
San Diego

WASHINGTON, D. C.,
TUESDAY, *April* 29, 1873—1.35 *p. m.*

SYNOPSIS.

The temperature has risen and the barometer has continued to fall on the Western Gulf and west of the Mississippi River. Northeasterly and southeasterly winds and partly cloudy weather extend over the Northwest and the Upper Lakes, and thence southward to Missouri and the Lower Ohio Valley. Southeasterly and northeasterly winds and cloudy weather in the Gulf States and Tennessee. Northwesterly and northeasterly winds, threatening weather, lower temperature, and occasional rain in the South Atlantic States. Northwesterly and southeasterly winds, generally cloudy weather, and occasional rain in the Lower Lake region and the Middle States. Northeasterly and southeasterly winds, with increasing cloudiness and occasional rain, in New England and Canada. The rivers have risen at Lexington, Missouri, Leavenworth, Keokuk, and Davenport, and fallen at Shreveport, Boonville, New Orleans, Memphis, Cairo, Saint Paul, Evansville, Cincinnati, Marietta, and Oil City.

PROBABILITIES.

The temperature will increase to-morrow in the Mississippi Valley, and generally over the country eastward. For the Northwest and Upper Lakes and thence to Missouri and Kentucky, northeasterly and southeasterly winds, falling barometer, increasing cloudiness, and rain. For the Western Gulf States and Tennessee, southeasterly winds, cloudy weather, and occasional rain. For the Eastern Gulf and South Atlantic States, northerly and southeasterly winds, rising temperature, partly cloudy weather, and occasional rain. For the Middle States and Lower Lakes, temporarily clearing and partly cloudy weather, with occasional rain and light variable winds. In Canada and New England, generally cloudy weather, occasional rain, and southeasterly to northeasterly winds.

FACTS—11 P. M., (*following the above "Probabilities."*)

WIND AND WEATHER.

(1.) *Clear.*—At Augusta, Charleston, Toronto, Quebec, Cleveland, Milwaukee, Saint Paul, and Duluth, calm; Montgomery, wind SE., light; Louisville, Nashville, Breckenridge, Cincinnati, and Montreal, wind NE., light; Burlington and Kingston, wind N., light; Lynchburg and Toledo, wind E., gentle; Buffalo, wind SW., gentle; Dover, wind W., gentle; Mobile, wind S., fresh; San Diego and Chicago, wind N., fresh; Cairo, wind NE., fresh; Davenport, wind SE., fresh; San Francisco, wind W., fresh; Virginia City, wind E., fresh.

(2.) *Fair.*—At Boston, Portland, Me., and La Crosse, calm; Norfolk, wind NE., light; Portland, Oreg., wind W., light; Saugeen, wind NW., light; Baltimore and Washington, wind SW., gentle; Rochester, wind W., gentle; Indianapolis, wind N., gentle; Memphis, wind E., gentle; Pittsburgh, wind NW., gentle; New London, wind SW., fresh; Saint Louis and Shreveport, wind E., fresh; Corinne and Detroit, wind N., fresh; Cheyenne, wind N., brisk.

(3.) *Cloudy.*—At Pembina, Savannah, and Stanley, calm; Wilmington, wind N., gentle; New Orleans, wind S., gentle; Keokuk, wind E., fresh; Denver, wind NE., fresh; Galveston, wind S., fresh; Leavenworth, wind SE., fresh.

(4.) *Rainy.*—At New York, wind S., gentle; Philadelphia, wind SW., fresh.

GENERAL REMARKS AS TO VERIFICATIONS.

The above "Probabilities" were generally verified, except "the temperature will increase to-morrow in the Mississippi Valley," partly verified; "for the Upper Lakes, rain," "for the South Atlantic States, occasional rain," and "in Canada and New England, generally cloudy weather and occasional rain," not verified.

METEOROLOGICAL RECORD, APRIL 29, 1873—11 P. M.

Place of observation.	Barometer.	Thermometer.	Relative humidity, per cent.	Wind.		Clouds.			Rain-fall in last 8 hours.	State of the weather.
				Direction.	Velocity.	Amount of lower.	Amount of upper.	Direction of upper.		
*Alpena, Mich	30.14	38	81	W.	5	0	0	.....	.03	Clear.
Augusta, Ga	29.98	62	94	Calm.	0	0	0	W.	.....	Clear.
Baltimore, Md	30.04	51	82	S. W.	4	2-4	1-4	.....	.....	Clearing.
Boston, Mass	30.03	46	84	Calm.	0	Hazy..	Hazy..	.....	.01	Fair.
Breckenridge, Minn	30.09	47	83	N. E.	2	Hazy..	0	.....	.....	Clear.
Buffalo, N. Y	30.01	42	91	S. W.	4	0	0	.....	.....	Clear.
Burlington, Vt	29.97	44	67	N.	1	0	0	.....	.....	Clear.
Cairo, Ill	29.98	58	63	N. E.	12	Hazy..	0	.....	.....	Clear.
*Cape May, N. J	30.03	46	92	Calm.	0	2-4	0	.....	.06	Clearing.
Charleston, S. C	29.97	65	89	Calm.	0	0	0	.....	.....	Clear.
Cheyenne, Wyo	29.85	25	62	N.	20	2-4	0	.....	.....	Fair.
Chicago, Ill	30.16	42	74	N.	12	0	0	.....	.....	Clear.
Cincinnati, Ohio	30.07	55	68	N. E.	1	0	0	.....	.....	Clear.
Cleveland, Ohio	30.07	44	84	Calm.	0	0	0	.....	.....	Clear.
Corinne, Utah	30.08	39	72	N.	19	1-4	0	.....	.....	Fair.
Davenport, Iowa	30.06	53	73	S. E.	14	1-4	0	.....	.....	Clear.
Denver, Colo	29.88	37	81	N. E.	14	4-4	.....	.....	.....	Cloudy.
Detroit, Mich	30.07	46	84	N.	6	0	1-4	.....	.....	Fair.
Duluth, Minn	30.11	44	52	Calm.	0	0	Hazy..	S. W.	.....	Clear.
*Eastport, Me	30.07	38	91	Calm.	0	0	0	.....	.....	Clear.
*Escanaba, Mich	30.19	38	76	N.	4	0	0	.....	.....	Clear.
*Fort Benton, Mont	30.30	34	90	S.	4	0	0	.....	.....	Clear.
Fort Garry, Manitoba	29.84	50	39	S.	10	4-4	.....	.....	.....	Cloudy.
*Fort Gibson, Ind. T	29.79	65	89	S. E.	16	4-4	.....	.....	.07	Heavy rain.
*Fort Sully, Dak	30.07	46	77	E.	2	4-4	.....	.....	.10	Light rain.
Galveston, Tex	29.74	74	90	S.	11	4-4	.....	.....	.....	Threatening.
*Grand Haven, Mich	30.16	42	75	N. W.	5	0	0	.....	.....	Clear.
Indianapolis, Ind	30.05	53	60	N.	5	Hazy.	0	.....	.....	Fair.
*Indianola, Tex	29.72	73	95	S.	14	4-4	.....	.....	.....	Cloudy.
*Jacksonville, Fla	29.97	70	85	S.	8	2-4	0	.....	.07	Fair.
Keokuk, Iowa	30.01	54	67	E.	8	4-4	Hazy..	.....	.....	Cloudy.
*Key West, Fla	30.02	80	78	N. E.	5	4-4	.....	.....	.....	Cloudy.
Kingston, Canada	30.08	46	62	N.	2	0	0	.....	.....	Clear.
*Knoxville, Tenn	30.02	57	51	N.	12	Hazy..	0	.....	.....	Clear.
La Crosse, Wis	30.11	52	53	Calm.	0	Hazy..	Hazy..	.....	.....	Fair.
*Lake City, Fla	29.97	66	100	Calm.	0	4-4	.....	.....	.25	Cloudy.
Leavenworth, Kans	29.78	59	48	S. E.	13	4-4	.....	.....	.....	Cloudy.
Louisville, Ky	30.05	54	74	N. E.	2	0	0	.....	.....	Clear.
Lynchburg, Va	30.03	51	89	E.	4	0	0	.....	.....	Clear.
*Marquette, Mich	30.16	38	63	W.	4	0	0	.....	.....	Clear.
Memphis, Tenn	29.93	64	57	E.	5	2-4	Hazy..	.....	.....	Fair.
Milwaukee, Wis	30.18	42	66	Calm.	0	0	0	.....	.....	Clear.
Mobile, Ala	29.92	76	81	S.	6	0	0	.....	.....	Clear.
Montgomery, Ala	29.95	65	89	S. E.	2	0	0	.....	.....	Clear.
Montreal, Canada	29.98	50	51	N. E.	2	0	0	.....	.....	Clear.
*Mount Washington, N. H	30.05	24	74	Calm.	0	1-4	0	.....	.....	Fair.
Nashville, Tenn	29.93	58	58	N. E.	2	0	0	.....	.....	Clear.
New London, Conn	30.03	47	77	S. W.	1	2-4	0	.....	.....	Fair.
New Orleans, La	29.86	73	95	S.	5	4-4	.....	.....	.....	Cloudy.
New York, N. Y	30.01	49	71	S.	4	4-4	.....	.....	.....	Light rain.
Norfolk, Va	30.06	51	89	N. E.	1	1-4	0	.....	.....	Fair.
Omaha, Nebr	29.93	58	58	E.	4	4-4	.....	.....	.....	Cloudy.
Oswego, N. Y	30.04	47	45	.....	4	1-4	0	.....	.....	Fair.
Pembina, Dak	30.04	47	69	Calm.	0	4-4	.....	.....	.....	Cloudy.
Philadelphia, Pa	30.02	47	88	S. W.	8	4-4	.....	.....	.01	Light rain.
Pittsburgh, Pa	30.09	45	84	N. W.	4	Fog ...	0	.....	.....	Fair.
Port Dover, Canada	30.08	43	75	W.	4	0	0	.....	.....	Clear.
Port Stanley, Canada	30.09	39	95	Calm.	0	4-4	.....	.....	.01	Cloudy.
Portland, Me	30.00	41	91	Calm.	0	Hazy..	Hazy..	.....	.....	Fair.
Portland, Oreg	30.41	53	74	W.	2	Hazy..	Hazy..	.....	.....	Fair.
*Punta Rassa, Fla	30.08	74	86	N. E.	7	0	0	.....	.....	Clear.
Quebec, Canada	30.00	39	63	Calm.	0	0	0	.....	.....	Clear.
Rochester, N. Y	30.02	50	68	W.	4	1-4	0	.....	.....	Fair.
San Diego, Cal	29.99	56	76	N.	6	0	0	.....	.....	Clear.
San Francisco, Cal	30.19	55	74	W.	12	0	0	.....	.....	Clear.
*Santa Fé, N. Mex	29.61	30	.....	W.	4	0	0	.....	.....	Clear.
Saugeen, Canada	30.11	28	91	N. W.	1	2-4	0	.....	.....	Fair.
Savannah, Ga	29.99	65	94	Calm.	0	4-4	.....	.....	.....	Cloudy.
Shreveport, La	29.71	57	72	E.	10	2-4	.....	.....	.....	Fair.
Saint Louis, Mo	29.97	57	62	E.	14	0	Hazy..	.....	.....	Fair.
Saint Paul, Minn	30.04	51	46	Calm.	0	0	0	.....	.....	Clear.
Toledo, Ohio	30.08	49	85	E.	4	0	0	.....	.02	Clear.
Toronto, Canada	30.04	44	49	Calm.	0	Hazy..	0	.....	.....	Clear.
Vicksburg, Miss	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Virginia City, Mont	29.93	29	72	E.	12	0	0	.....	.....	Clear.
Washington, D. C	30.04	55	74	S. W.	4	1-4	0	.....	.....	Fair.
Wilmington, N. C	30.91	56	90	N.	4	4-4	.....	.....	.....	Cloudy.
*Yankton, Dak	29.96	51	77	E.	12	4-4	.....	.....	.....	Cloudy.

BRIG. GEN. & CHIEF SIGNAL OFFICER U.S.A.

WASHINGTON, D. C.,
TUESDAY, *April* 29, 1873—11 *p. m.*

SYNOPSIS.

The barometer has continued to fall slowly in the Mississippi Valley. Partly cloudy and clearing weather, southeasterly winds, and high temperature prevail in the Gulf States. In the South Atlantic States, generally clearing weather, with light northerly and northwesterly winds. Partly cloudy and clear weather, northerly and northwesterly winds, with high pressure and low temperature, prevail from the Lakes to the Ohio Valley. Generally cloudy weather, northwesterly to southwesterly winds, and occasional rain prevail in the Middle States, and partly cloudy weather in New England.

PROBABILITIES.

The temperature will probably rise in the Mississippi Valley, with diminishing pressure. From the Upper Lakes to the Lower Missouri and Lower Ohio Valley, northeasterly winds, partly cloudy weather, and increasing temperature. For Tennessee and the Gulf States, northeasterly and southerly winds, partly cloudy and warmer weather, and diminishing pressure. For the South Atlantic States, partly cloudy weather, northeasterly winds, and higher temperature. For the Lower Lakes and Middle States, except New York, generally clearing and partly cloudy weather, with southwesterly and northerly winds. For New York and New England, partly cloudy weather, with occasional rain, southwesterly and northwesterly winds, and lower temperature.

Reports are generally missing from the Southwest, Upper Mississippi Valley, the Upper Lakes, and Oregon.

FACTS—7.35 A. M., (*following the above "Probabilities."*)

WIND AND WEATHER.

(1.) *Clear.*—At Kingston and Duluth, calm; Burlington, wind SW., light; Quebec, wind W., light; Cleveland and Dover, wind N., gentle; Alpena and Marquette, wind W., gentle; Buffalo, wind SW., gentle; Lynchburg, wind NW., gentle; Cincinnati and Montreal, wind NE., gentle; Grand Haven, wind E., gentle; Rochester, wind W., fresh; Toronto, wind N., fresh; Indianapolis, wind E., fresh.

(2.) *Fair.*—At Boston, Eastport, Portland, Me., and Pittsburgh, calm; New London, wind NW., light; Breckenridge, Milwaukee, and Toledo, wind NE., light; La Crosse, wind SE., light; Nashville, wind E., gentle; Wilmington and Escanaba, wind N., gentle; Baltimore, Chicago, Detroit, Knoxville, Louisville, New York, and Savannah, wind NE., fresh; Oswego, wind W., fresh; Norfolk and Washington, wind NW., fresh; Philadelphia, wind N., brisk; Pembina, wind NW., brisk.

(3.) *Cloudy.*—At Lake City, calm; Saugeen, wind NW., light; Montgomery, wind E., light; Augusta and Jacksonville, wind NE., gentle; Mobile and New Orleans, wind SE., gentle; Punta Rassa, wind E., gentle; Stanley, wind NW., gentle; Cape May, wind NW., fresh; Key West, wind SE., fresh; Charleston, wind NE., fresh; Davenport and Saint Paul, wind E., fresh; Shreveport, wind SW., fresh; Galveston, wind S., brisk; Keokuk and Saint Louis, wind E., brisk.

(4.) *Rainy.*—At Memphis, wind E., fresh; Omaha, wind E., brisk.

GENERAL REMARKS AS TO VERIFICATIONS.

The above "Probabilities" were generally verified, except "the temperature will probably rise in the Mississippi Valley," "from the Upper Lakes to the Lower Missouri and Lower Ohio Valleys, partly cloudy weather," and "for Tennessee and the Gulf States, partly cloudy weather," partly verified; "for New York and New England, occasional rain," not verified.

METEOROLOGICAL RECORD, APRIL 30, 1873—7.35 A. M.

Place of observation.	Barometer.	Thermometer.	Relative humidity, per cent.	Wind.		Clouds.			Rain-fall in last 8 hours.	State of the weather.
				Direction.	Velocity.	Amount of lower.	Amount of upper.	Direction of upper.		
Alpena, Mich	30.24	36	80	W.	4	0	0	.....	.....	Clear.
Augusta, Ga	30.16	40	88	N. E.	4	4-4	.....	.....	.....	Cloudy.
Baltimore, Md	30.16	52	63	N. E.	12	0	2-4	N. E.	.....	Fair.
Boston, Mass	30.11	48	78	Calm.	0	Fog...	2-4	.....	.....	Fair.
Breckenridge, Minn	30.20	42	83	N. E.	2	0	2-4	.....	.....	Fair.
Buffalo, N. Y	30.15	47	70	S. W.	4	0	1-4	.....	.....	Clear.
Burlington, Vt	30.10	46	61	S. W.	2	1-4	0	.....	.....	Clear.
*Cairo, Ill	29.99	56	62	E.	16	4-4	0	.....	.....	Cloudy.
Cape May, N. J	30.10	49	93	N. W.	10	4-4	.....	.....	.....	Cloudy.
Charleston, S. C	30.14	62	88	N. E.	6	4-4	.....	.....	.....	Cloudy.
*Cheyenne, Wyo	29.89	23	100	N.	24	4-4	.....	.....	.....	Heavy snow.
Chicago, Ill	30.21	41	73	N. E.	12	Hazy..	2-4	.....	.....	Fair.
Cincinnati, Ohio	30.21	52	60	N. E.	4	Smoky	Hazy..	.....	.....	Clear.
Cleveland, Ohio	30.22	43	91	N.	5	0	0	.....	.....	Clear.
*Corinne, Utah	30.17	38	44	N.	13	0	1-4	.....	.....	Fair.
Davenport, Iowa	30.16	45	68	E.	12	2-4	Hazy..	.....	.....	Cloudy.
*Denver, Colo	29.90	30	100	N.	17	4-4	.....	.....	.06	Light snow.
Detroit, Mich	30.25	47	70	N. E.	8	Smoky	Hazy..	.....	.....	Fair.
Duluth, Minn	30.23	39	64	Calm.	0	0	0	.....	.....	Clear.
Eastport, Me	30.11	45	84	Calm.	0	0	2-4	.....	.....	Fair.
*Escanaba, Mich	30.20	35	70	N.	4	0	1-4	.....	.....	Fair.
*Fort Benton, Mont	30.37	29	78	Calm.	0	0	0	.....	.....	Clear.
Fort Garry, Manitoba	30.08	36	75	N.	15	1-4	1-4	W.	.....	Fair.
*Fort Gibson, Ind. T	29.63	62	88	E.	24	4-4	.....	.....	.08	Cloudy.
*Fort Sully, Dak	30.14	44	60	N.	31	4-4	.....	.....	.....	Cloudy.
*Galveston, Tex	29.90	73	90	S.	18	4-4	.....	.....	.....	Threatening.
Grand Haven, Mich	30.24	45	75	E.	4	0	0	.....	.....	Clear.
Indianapolis, Ind	30.14	51	64	E.	7	Smoky	0	.....	.....	Clear.
*Indianola, Tex	29.79	73	93	N. W.	12	4-4	.....	.....	.....	Cloudy.
Jacksonville, Fla	30.08	70	90	N. E.	4	4-4	.....	.....	.....	Cloudy.
Keokuk, Iowa	30.01	49	70	E.	16	4-4	.....	.....	.....	Cloudy.
Key West, Fla	30.02	79	78	S. E.	10	4-4	.....	.....	.....	Cloudy.
Kingston, Canada	30.22	44	68	Calm.	0	0	0	.....	.....	Clear.
Knoxville, Tenn	30.13	53	59	N. E.	7	Hazy..	1-4	.....	.....	Fair.
La Crosse, Wis	30.28	47	41	S. E.	2	0	1-4	.....	.....	Fair.
Lake City, Fla	30.06	70	95	Calm.	0	4-4	.....	.....	.....	Cloudy.
*Leavenworth, Kans	29.70	50	86	E.	11	4-4	.....	.....	.53	Heavy rain.
Louisville, Ky	30.09	53	61	N. E.	8	1-4	2-4	.....	.....	Fair.
Lynchburg, Va	30.16	50	75	N. W.	4	0	0	.....	.....	Clear.
Marquette, Mich	30.21	47	32	W.	4	0	0	.....	.....	Clear.
Memphis, Tenn	29.81	59	64	E.	10	4-4	.....	.....	.....	Light rain.
Milwaukee, Wis	30.28	42	74	N. E.	1	Smoky	2-4	.....	.....	Fair.
Mobile, Ala	29.98	73	90	S. E.	5	4-4	.....	.....	.....	Cloudy.
Montgomery, Ala	30.00	65	89	E.	2	4-4	.....	.....	.....	Cloudy.
Montreal, Canada	30.08	45	60	N. E.	3	0	0	.....	.....	Clear.
*Mount Washington, N. H	30.11	26	65	Calm.	0	1-4	0	.....	.....	Fair.
Nashville, Tenn	30.04	57	58	E.	5	0	2-4	W.	.....	Fair.
New London, Conn	30.15	52	60	N. W.	2	0	2-4	.....	.....	Fair.
New Orleans, La	29.87	73	85	S. E.	4	4-4	.....	.....	.....	Threatening.
New York, N. Y	30.13	48	78	N. E.	7	Smoky	2-4	.....	.20	Fair.
Norfolk, Va	30.16	50	86	N. W.	6	Fog...	.....	.....	.....	Foggy.
Omaha, Nebr	29.70	50	86	E.	28	4-4	.....	.....	.....	Heavy rain.
Oswego, N. Y	30.16	43	71	W.	12	Smoky	Hazy..	.....	.....	Clear.
Pembina, Dak	30.17	37	80	N. W.	16	1-4	1-4	N. W.	.....	Fair.
Philadelphia, Pa	30.13	49	74	N.	16	0	2-4	N.	.04	Fair.
Pittsburgh, Pa	30.24	38	90	Calm.	0	Fog...	.....	.....	.....	Foggy.
Port Dover, Canada	30.23	43	75	N.	5	0	0	.....	.....	Clear.
Port Stanley, Canada	30.24	40	95	N. W.	6	4-4	.....	.....	.....	Cloudy.
Portland, Me	30.09	42	83	Calm.	0	Fog...	.....	.....	.....	Foggy.
*Portland, Oreg	30.40	47	84	Calm.	0	Fog...	.....	.....	.....	Fair.
Punta Rassa, Fla	30.05	76	86	E.	3	3-4	1-4	S. W.	.....	Cloudy.
Quebec, Canada	30.05	46	62	W.	1	1-4	0	.....	.....	Clear.
Rochester, N. Y	30.15	48	69	W.	10	Smoky	.....	.....	.....	Clear.
*San Diego, Cal	29.99	55	62	N. E.	4	0	0	.....	.....	Clear.
*San Francisco, Cal	30.17	51	79	Calm.	0	0	0	.....	.....	Hazy.
*Santa Fé, N. Mex	29.60	27	.....	N.	7	0	0	.....	.....	Clear.
Saugeen, Canada	30.24	39	82	N. W.	1	1-4	3-4	N. W.	.....	Cloudy.
Savannah, Ga	30.12	62	94	N. E.	6	Fog...	.....	.....	.....	Foggy.
Shreveport, La	29.74	74	76	S. W.	11	4-4	.....	.....	.....	Threatening.
Saint Louis, Mo	29.96	52	59	E.	16	2-4	2-4	.....	.....	Cloudy.
Saint Paul, Minn	30.17	47	55	E.	8	4-4	.....	.....	.....	Cloudy.
Toledo, Ohio	30.26	49	85	N. E.	2	2-4	0	.....	.....	Fair.
Toronto, Canada	30.19	48	75	N.	12	0	0	.....	.....	Clear.
*Vicksburg, Miss	29.84	72	90	S. E.	6	0	2-4	S.	.....	Fair.
Virginia City, Mont	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Washington, D. C	30.17	51	62	N. W.	10	0	1-4	N. W.	.....	Fair.
Wilmington, N. C	30.14	56	84	N.	4	Hazy..	2-4	N.	.....	Fair.
*Yankton, Dak	29.91	48	86	E.	20	4-4	.....	.....	.....	Threatening.

WAR DEPARTMENT WEATHER MAP.
SIGNAL SERVICE, U.S. ARMY.
Division of Telegrams and Reports for the Benefit of Commerce and Agriculture.
Washington, Wednesday, April 30, 1873—7.35 A. M.
All Observations made at the same moment of actual not local time.
Duluth
Marquette
Green Bay
Milwaukee
Chicago
Detroit
Toledo
Cleveland
Buffalo
Oswego
Omaha
Davenport
Leavenworth
St. Louis
Cairo
Indianapolis
Louisville
Cincinnati
Pittsburgh
Norfolk
Nashville
Memphis
Little Rock
Vicksburg
Montgomery
Mobile
New Orleans
Galveston
Atlanta
Augusta
Charleston
Savannah
Jacksonville
Key West
Havana
Quebec
Montreal
Portland
Boston
New York
Philadelphia
Baltimore
Washington
Virginia City
Huntsville City
Fort Gibson
Fort Sully
Fort Ellsworth
Fort Yuma
Santa Fe
Brownsville
Indianola
Pensacola
Breckenridge
Yankton
HIGH
CUBA
ST. DOMINGO
REFERENCES.
CLEAR
CLOUDY
SNOW
FAIR
RAIN
Note.
Barometric lines
Isothermal
PUBLISHED BY ORDER OF THE SECRETARY OF WAR.

WASHINGTON, D. C.,
WEDNESDAY, *April* 30, 1873—7.35 *a. m.*

SYNOPSIS.

The temperature has fallen over the entire Lake region, and the pressure has rapidly increased over this section and over the Middle States. The barometer has fallen in the Lower Mississippi Valley and over the Western Gulf States, with southerly and southeasterly winds, cloudy weather, and occasional rain. Northeasterly winds, occasional fog, and partly cloudy weather prevail in the Eastern Gulf and South Atlantic States. Easterly and northeasterly winds, increasing cloudiness, diminishing pressure, and occasional rain in the Northwest, and thence southward to the Lower Ohio Valley, Missouri, and Kansas. Northeasterly and northerly winds and partly cloudy weather on the Lakes, and thence to Kentucky and Tennessee. Northeasterly and northerly winds, partly cloudy and clearing weather in the Middle States. Light variable winds, generally clear, very cool weather, occasional fog, and high pressure in New England and Canada.

PROBABILITIES.

Low temperature and generally high pressure may be expected in the Atlantic States. For the Middle States, cool, clearing, and partly cloudy weather, with light northwesterly and northeasterly winds and high barometer. For New England and Canada, clearing weather, low temperature, high barometer, and northwesterly winds. From Kentucky and West Virginia northward to the Lower Lakes and Michigan, northerly and northeasterly winds, high barometer falling to-night, and partly cloudy weather. For the Upper Lakes and Northwest and thence to Missouri and the Lower Ohio Valley, falling barometer, increasing temperature, and cloudiness, with rain. For Tennessee and Arkansas and the Western Gulf States, northeasterly and southeasterly winds, falling barometer, threatening and warmer weather, and rain. For the Eastern Gulf and South Atlantic States, northeasterly and southeasterly winds, cloudy weather, and occasional rain.

FACTS—4.35 P. M., (*following the above "Probabilities."*)

WIND AND WEATHER.

(1.) *Clear.*—At Pittsburgh and Duluth, calm; Stanley, wind W., light; Marquette, wind E., gentle; Eastport, wind SW., gentle; Burlington, wind W., fresh; Cleveland and Oswego, wind N., fresh; Saugeen, wind NW., fresh; Detroit and Grand Haven, wind E., fresh; Buffalo and Quebec, wind SW., fresh; Rochester, wind NW., brisk; Toronto, wind N., brisk; Fort Gibson, wind SW., brisk.

(2.) *Fair.*—At Lynchburg, wind SE., gentle; Washington, wind E., gentle; Escanaba, wind S., gentle; Kingston and New London, wind SW., fresh; Alpena, Baltimore, Wilmington, and Lake City, wind SE., fresh; Norfolk, wind N., fresh; Milwaukee, wind NE., fresh; Charleston and Key West, wind E., fresh; Pembina, wind NW., fresh; Vicksburg, wind S., fresh; Davenport, wind E., brisk; Breckenridge, wind N., brisk; Mobile, wind S., brisk.

(3.) *Cloudy.*—At Augusta and Montgomery, wind E., gentle; Galveston and Memphis, wind SE., gentle; Knoxville, wind N., gentle; Montreal, wind W., fresh; Cincinnati, Indianapolis, and Savannah, wind E., fresh; Jacksonville, Louisville, and Saint Paul, wind NE., fresh; Leavenworth and Punta Rassa, wind SE., fresh; New Orleans, wind S., fresh; Keokuk and Saint Louis, wind E., brisk; La Crosse and Toledo, wind NE., brisk; Chicago and Indianola, wind N., brisk.

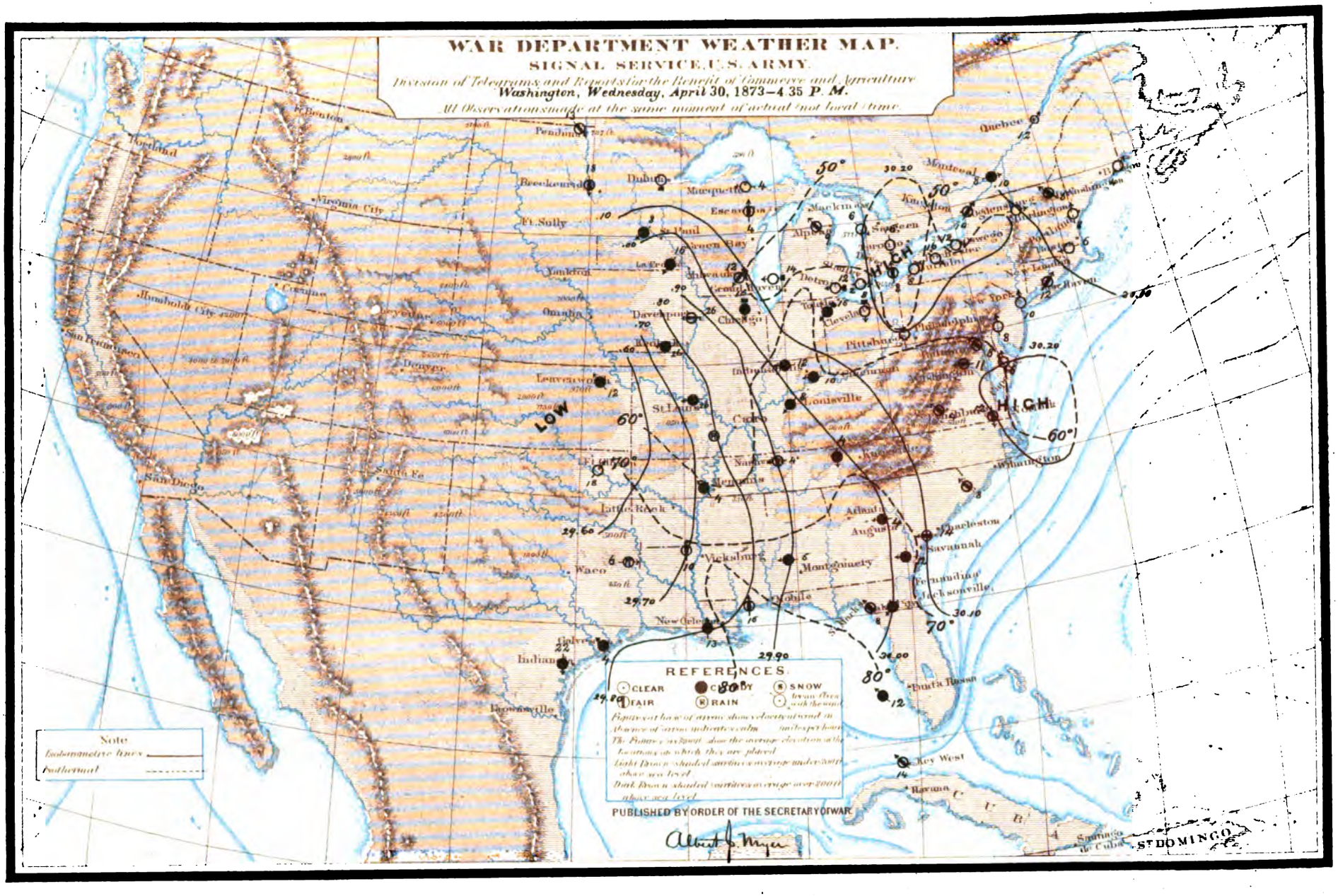
(4.) *Rainy.*—At Cairo, calm; Nashville, wind E., gentle; Shreveport, wind W., fresh.

GENERAL REMARKS AS TO VERIFICATIONS.

The above "Probabilities" were generally verified, except "for Kentucky, partly cloudy weather," "for the Middle States, northwesterly and northeasterly winds," and "for the Upper Lakes, increasing temperature, with rain," partly verified; "low temperature in the Atlantic States," not verified.

METEOROLOGICAL RECORD, APRIL 30, 1873—4.35 P. M.

Place of observation.	Barometer.	Thermometer.	Relative humidity, per cent.	Wind.		Clouds.			Rain-fall in last 8 hours.	State of the weather.
				Direction.	Velocity.	Amount of lower.	Amount of upper.	Direction of upper.		
Alpena, Mich	30.16	42	66	S. E.	9	0	1-4	S. E.	.....	Fair.
Augusta, Ga	30.13	70	61	E.	4	4-4	.....	.....	.....	Cloudy.
Baltimore, Md	30.20	63	47	S. E.	8	Smoky	1-4	N. W.	.....	Fair.
Boston, Mass	30.09	60	44	E.	6	Hazy..	Hazy..	.....	.....	Clear.
Breckenridge, Minn	30.11	58	53	N.	18	Hazy..	.....	.....	.....	Fair.
Buffalo, N. Y	30.17	52	60	S. W.	8	Smoky	1-4	N. E.	.....	Clear.
Burlington, Vt	30.06	61	25	W.	10	0	0	.....	.....	Clear.
Cairo, Ill	29.87	55	24	Calm.	0	4-4	.....	.....	.83	Light rain.
Cape May, N. J	30.23	50	86	S.	6	0	0	.....	.....	Clear.
Charleston, S. C	30.14	67	59	E.	14	0	2-4	N.	.....	Fair.
*Cheyenne, Wyo	29.99	28	94	W.	28	4-4	0	.....	.06	Light snow.
Chicago, Ill	30.12	44	59	N.	16	0	4-4	.....	.....	Cloudy.
Cincinnati, Ohio	30.09	65	35	E.	10	4-4	.....	.....	.....	Cloudy.
Cleveland, Ohio	30.21	49	71	N.	8	0	0	.....	.....	Clear.
*Corinne, Utah	30.24	50	26	N. W.	10	0	1-4	.....	.....	Fair.
Davenport, Iowa	29.92	61	49	E.	26	Hazy..	2-4	S.	.....	Fair.
*Denver, Colo	30.04	32	100	N.	26	4-4	.....	.....	.18	Light snow.
Detroit, Mich	30.19	55	33	E.	12	0	0	.....	.....	Clear.
Duluth, Minn	30.11	55	43	Calm.	0	0	Hazy..	.....	.....	Clear.
Eastport, Me	30.01	55	39	S. W.	4	0	0	.....	.....	Clear.
Escanaba, Mich	30.25	51	46	S.	4	1-4	2-4	.....	.....	Fair.
*Fort Benton, Mont	30.57	56	24	S. W.	10	0	0	.....	.....	Clear.
Fort Garry, Manitoba	30.13	55	19	N. E.	2	1-4	0	.....	.....	Fair.
Fort Gibson, Ind. T	29.64	73	46	S. W.	18	0	0	.....	.....	Clear.
*Fort Sully, Dak	30.12	57	25	N. N. E.	30	4-4	.....	.....	.....	Cloudy.
Galveston, Tex	29.99	77	81	S. E.	4	4-4	.....	.....	.....	Threatening.
Grand Haven, Mich	30.10	61	64	E.	14	Hazy..	0	.....	.....	Clear.
Indianapolis, Ind	30.04	61	45	E.	12	4-4	.....	.....	.....	Cloudy.
Indianola, Texas	29.74	67	92	N.	22	4-4	.....	.....	.04	Cloudy.
Jacksonville, Fla	30.08	72	76	N. E.	12	4-4	.....	.....	.....	Cloudy.
Keokuk, Iowa	29.82	59	54	E.	26	4-4	.....	.....	.....	Cloudy.
Key West, Fla	29.98	83	67	E.	14	Hazy..	2-4	W.	.....	Fair.
Kingston, Canada	30.21	48	70	S. W.	10	0	2-4	.....	.....	Fair.
Knoxville, Tenn	30.00	71	26	N.	4	4-4	.....	.....	.....	Threatening.
La Crosse, Wis	30.07	63	15	N. E.	16	Smoky	Hazy..	N. E.	.....	Threatening.
Lake City, Fla	30.01	78	72	S. E.	8	2-4	0	.....	.....	Fair.
Leavenworth, Kans	29.52	56	81	S. E.	12	4-4	.....	.....	.84	Cloudy.
Louisville, Ky	30.00	63	47	N. E.	8	4-4	.....	.....	.....	Cloudy.
Lynchburg, Va	30.15	66	38	S. E.	4	0	2-4	N.	.....	Fair.
Marquette, Mich	30.03	61	31	E.	4	0	0	.....	.....	Clear.
Memphis, Tenn	29.77	66	94	S. E.	4	4-4	.....	.....	.75	Cloudy.
Milwaukee, Wis	.....	45	84	N. E.	12	Hazy..	Hazy..	.....	.....	Fair.
Mobile, Ala	29.94	80	78	S.	16	1-4	1-4	S. W.	.....	Fair.
Montgomery, Ala	29.93	73	85	E.	5	4-4	.....	.....	.....	Threatening.
Montreal, Canada	30.03	64	47	N.	8	0	4-4	N.	.....	Cloudy.
Mount Washington, N. H	30.12	28	78	S. E.	5	Hazy..	2-4	N.	.....	Fair.
Nashville, Tenn	29.94	61	94	E.	4	4-4	.....	.....	.34	Light rain.
New London, Conn	30.13	57	47	S. W.	12	0	1-4	S. W.	.....	Fair.
New Orleans, La	29.85	80	65	S.	13	0	4-4	S. W.	.....	Cloudy.
New York, N. Y	30.17	57	52	S.	10	Hazy..	1-4	W.	.....	Clear.
Norfolk, Va	30.24	59	55	N.	12	0	1-4	.....	.....	Fair.
*Omaha, Nebr	29.66	49	85	E.	20	4-4	.....	.....	.....	Heavy rain.
Oswego, N. Y	30.17	44	50	N.	12	Hazy..	Hazy..	.....	.....	Clear.
Pembina, Dak	30.15	54	37	N. W.	13	0	1-4	.....	.....	Fair.
Philadelphia, Pa	30.18	59	48	S.	8	0	0	.....	.....	Clear.
Pittsburgh, Pa	30.18	62	41	Calm.	0	Smoky	0	.....	.....	Clear.
Port Dover, Canada	30.23	50	65	S.	8	0	2-4	N.	.....	Fair.
Port Stanley, Canada	30.24	49	71	N.	2	0	1-4	N.	.....	Clear.
Portland, Me	30.03	53	42	S.	8	0	0	.....	.....	Clear.
*Portland, Oreg	30.25	66	49	N. W.	2	Smoky	0	.....	.....	Clear.
Punta Rassa, Fla	30.02	82	67	S. E.	12	1-4	3-4	W.	.....	Cloudy.
Quebec, Canada	29.97	60	55	S. W.	12	0	0	.....	.....	Clear.
Rochester, N. Y	30.16	60	39	N. W.	16	Smoky	0	.....	.....	Clear.
*San Diego, Cal	29.98	76	29	W.	13	0	0	.....	.....	Clear.
*San Francisco, Cal	30.13	66	54	S. W.	20	0	1-4	S. W.	.....	Fair.
*Santa Fé, N. Mex	29.63	48	10	N. W.	8	0	4-4	N. W.	.....	Fair.
Sangeen, Canada	30.26	44	76	N. W.	6	1-4	0	.....	.....	Clear.
Savannah, Ga	30.13	65	83	E.	12	4-4	.....	.....	.....	Cloudy.
Shreveport, La	29.67	72	95	N.	6	4-4	.....	.....	.05	Light rain.
Saint Louis, Mo	29.85	58	68	E.	20	4-4	.....	.....	.....	Cloudy.
Saint Paul, Minn	29.99	61	26	N. E.	8	4-4	.....	.....	.....	Cloudy.
Toledo, Ohio	30.19	56	51	N. E.	15	0	4-4	N.	.....	Cloudy.
Toronto, Canada	30.18	60	39	N.	16	0	1-4	N.	.....	Clear.
Vicksburg, Miss	29.74	85	53	S.	10	0	2-4	S.	.....	Fair.
Virginia City, Mont	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Washington, D. C	30.21	68	34	E.	4	0	1-4	N.	.....	Fair.
Wilmington, N. C	30.17	67	61	S. E.	8	0	1-4	N.	.....	Fair.
*Yankton, Dak	29.91	50	71	E.	30	4-4	.....	.....	.01	Cloudy.


WAR DEPARTMENT WEATHER MAP.
SIGNAL SERVICE, U.S. ARMY.
Division of Telegrams and Reports for the Benefit of Commerce and Agriculture
Washington, Wednesday, April 30, 1873—4.35 P. M.
All Observations made at the same moment of actual (not local) time.
LOW
HIGH
HIGH
50°
50°
60°
60°
70°
70°
80°
Portland
Virginia City
Humboldt City
San Francisco
San Diego
Denver
Santa Fe
Cheyenne
Omaha
Yankton
Ft. Sully
Pembina
Duluth
Breckenridge
Marquette
Escanaba
Mackinaw
Alpena
Saginaw
Toronto
Oswego
Rochester
Buffalo
Montreal
Quebec
Kingston
Oswego
Albany
New Haven
New York
Philadelphia
Pittsburg
Washington
Richmond
Norfolk
Lynchburg
Knoxville
Chattanooga
Atlanta
Augusta
Charleston
Savannah
Jacksonville
Fernandina
Key West
Havana
Cuba
St. Domingo
Punta Rassa
Mobile
Montgomery
Vicksburg
New Orleans
Galveston
Indianola
Brownsville
Waco
Little Rock
Memphis
Nashville
Louisville
Cairo
St. Louis
Leavenworth
Davenport
Dubuque
Milwaukee
Green Bay
St. Paul
La Crosse
Chicago
Detroit
Cleveland
Toledo
Indianapolis
Cincinnati
Columbus
Wheeling
Pittsburg
Harrisburg
Baltimore
Washington
Fort Smith
Fort Gibson
Fort Riley
Fort Leavenworth
Fort Sill
Fort Clark
Fort Ellis
Fort Bridger
Fort Fetterman
Fort Stevenson
Fort Pembina
Fort Benton
Fort Garland
Fort Lyon
Fort Sumner
Fort Bliss
Fort Lincoln
Fort Ellis
Fort Bridger
Fort Fetterman
Fort Stevenson
Fort Pembina
Fort Benton
Fort Garland
Fort Lyon
Fort Sumner
Fort Bliss
Fort Lincoln
Fort Ellis
Fort Bridger
Fort Fetterman
Fort Stevenson
Fort Pembina
Fort Benton
Fort Garland
Fort Lyon
Fort Sumner
Fort Bliss
Fort Lincoln
Fort Ellis
Fort Bridger
Fort Fetterman
Fort Stevenson
Fort Pembina
Fort Benton
Fort Garland
Fort Lyon
Fort Sumner
Fort Bliss
Fort Lincoln
Fort Ellis
Fort Bridger
Fort Fetterman
Fort Stevenson
Fort Pembina
Fort Benton
Fort Garland
Fort Lyon
Fort Sumner
Fort Bliss
Fort Lincoln
Fort Ellis
Fort Bridger
Fort Fetterman
Fort Stevenson
Fort Pembina
Fort Benton
Fort Garland
Fort Lyon
Fort Sumner
Fort Bliss
Fort Lincoln
Note
Isobarometric lines
Isothermal
REFERENCES
CLEAR
FAIR
CLOUDY
RAIN
SNOW
Figures at base of arrows show velocity of wind in miles per hour
Absence of arrows indicates calm
The Figures in Square show the average elevation of the locations at which they are placed
Light Brown shaded surfaces average under 500 ft above sea level
Dark Brown shaded surfaces average over 2000 ft above sea level
PUBLISHED BY ORDER OF THE SECRETARY OF WAR
Albert J. Myer